



Appendix B

E-UTRA Band CA_41C



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 26012053, or email: CN.Doccheck@sgs.com



CONTENT

Page

1	EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA.....	4
1.1	MAX POWER TEST RESULT FOR LTE BAND CA_41C(ANT31)	4
1.2	MAX POWER TEST RESULT FOR LTE BAND CA_41C(ANT13)	7
2	PEAK-TO-AVERAGE RATIO	10
2.1	FOR LTE	10
2.1.1	Test Band = LTE Band CA_41C.....	10
3	MODULATION CHARACTERISTICS	15
3.1	FOR LTE	15
3.1.1	Test Band = LTE Band CA_41C.....	15
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	18
4.1	FOR LTE	21
4.1.1	Test Band = LTE Band CA_41C.....	21
5	BAND EDGES COMPLIANCE	67
5.1	FOR LTE	67
5.1.1	Test Band = LTE Band CA_41C.....	67
6	SPURIOUS EMISSION AT ANTENNA TERMINAL	80
6.1	FOR LTE	80
6.1.1	Test Band = LTE Band CA_41C.....	80
7	FIELD STRENGTH OF SPURIOUS RADIATION.....	94
7.1.	Test Band = LTE_Band=41 BW=20MHz_TM1 ANT31.....	94
7.1.1.	Test Channel = Low Channel	94
7.2.	Test Band = LTE_Band=41 BW=20MHz_TM1 ANT31.....	94
7.2.1.	Test Channel = Low Channel	94
7.3.	Test Band = LTE_Band=41 BW=20MHz_TM1 ANT31.....	95
7.3.1.	Test Channel = Mid Channel	95
7.4.	Test Band = LTE_Band=41 BW=20MHz_TM1 ANT31.....	95
7.4.1.	Test Channel = Mid Channel	95
7.5.	Test Band = LTE_Band=41 BW=20MHz_TM1 ANT31.....	96





7.5.1.	Test Channel = High Channel.....	96
7.6.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT31.....	96
7.6.1.	Test Channel = High Channel.....	96
7.7.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	97
7.7.1.	Test Channel = Low Channel	97
7.8.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	97
7.8.1.	Test Channel = Low Channel	97
7.9.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	98
7.9.1.	Test Channel = Mid Channel	98
7.10.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	98
7.10.1.	Test Channel = Mid Channel.....	98
7.11.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	99
7.11.1.	Test Channel = High Channel	99
7.12.	Test Band = LTE_Band=41 BW=20MHz _ TM1 ANT13.....	99
7.12.1.	Test Channel = High Channel	99

8 FREQUENCY STABILITY.....100

8.1	FREQUENCY ERROR VS. VOLTAGE.....	100
8.2	FREQUENCY ERROR VS. TEMPERATURE	101



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Internal Use Only) Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



1 Effective (Isotropic) Radiated Power Output Data

1.1 Max Power Test Result for LTE Band CA_41C(ANT31)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	QPSK	22.63	20.35	33.00	PASS
CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	QPSK	21.84	19.56	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	QPSK	21.56	19.28	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	QPSK	22.65	20.37	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	QPSK	21.83	19.55	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	QPSK	21.55	19.27	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	QPSK	22.54	20.26	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	QPSK	21.72	19.44	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	QPSK	21.43	19.15	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	QPSK	22.81	20.53	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	QPSK	22.02	19.74	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	QPSK	21.73	19.45	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	QPSK	22.74	20.46	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	QPSK	22.78	20.5	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	QPSK	21.93	19.65	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	QPSK	22.03	19.75	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	QPSK	21.62	19.34	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	QPSK	21.77	19.49	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	QPSK	22.62	20.34	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	QPSK	21.88	19.6	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	QPSK	21.73	19.45	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	QPSK	22.69	20.41	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	QPSK	21.9	19.62	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	QPSK	21.62	19.34	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	QPSK	22.59	20.31	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	QPSK	22.6	20.32	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	QPSK	21.77	19.49	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	QPSK	21.83	19.55	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	QPSK	22.68	20.4	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	QPSK	21.55	19.27	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	QPSK	22.48	20.2	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	QPSK	22.56	20.28	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	QPSK	21.73	19.45	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	QPSK	21.86	19.58	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	QPSK	21.57	19.29	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	QPSK	21.69	19.41	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	QPSK	22.37	20.09	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	QPSK	22.47	20.19	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	QPSK	21.7	19.42	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch and Testing Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	QPSK	21.83	19.55	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	QPSK	21.62	19.34	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	QPSK	21.8	19.52	33.00	PASS
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	16QAM	21.74	19.46	33.00	PASS
CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	16QAM	20.98	18.7	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	16QAM	20.65	18.37	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	16QAM	21.73	19.45	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	16QAM	20.97	18.69	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	16QAM	20.62	18.34	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	16QAM	21.74	19.46	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	16QAM	20.98	18.7	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	16QAM	20.65	18.37	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	16QAM	21.92	19.64	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	16QAM	21.14	18.86	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	16QAM	20.81	18.53	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	16QAM	21.82	19.54	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	16QAM	21.79	19.51	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	16QAM	21.04	18.76	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	16QAM	21.03	18.75	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	16QAM	20.7	18.42	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	16QAM	20.76	18.48	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	16QAM	21.72	19.44	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	16QAM	20.99	18.71	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	16QAM	20.75	18.47	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	16QAM	21.79	19.51	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	16QAM	21.03	18.75	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	16QAM	20.71	18.43	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	16QAM	21.7	19.42	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	16QAM	21.63	19.35	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	16QAM	20.92	18.64	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	16QAM	20.86	18.58	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	16QAM	20.51	18.23	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	16QAM	20.57	18.29	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	16QAM	21.58	19.3	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	16QAM	21.54	19.26	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	16QAM	20.87	18.59	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	16QAM	20.86	18.58	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	16QAM	20.62	18.34	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	16QAM	20.67	18.39	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	16QAM	21.46	19.18	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	16QAM	21.36	19.08	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	16QAM	20.83	18.55	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	16QAM	20.75	18.47	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	16QAM	20.72	18.44	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 26012053, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen CSTC Laboratory)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	16QAM	20.67	18.39	33.00	PASS
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	64QAM	20.47	18.19	33.00	PASS
CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	64QAM	20.48	18.2	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	64QAM	20.55	18.27	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	64QAM	20.5	18.22	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	64QAM	20.33	18.05	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	64QAM	20.57	18.29	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	64QAM	20.58	18.3	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	64QAM	20.45	18.17	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	64QAM	20.41	18.13	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	64QAM	20.66	18.38	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	64QAM	20.47	18.19	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	64QAM	20.54	18.26	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	64QAM	20.56	18.28	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	64QAM	20.34	18.06	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	64QAM	20.49	18.21	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	64QAM	20.53	18.25	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	64QAM	20.62	18.34	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	64QAM	20.67	18.39	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	64QAM	20.62	18.34	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	64QAM	20.66	18.38	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	64QAM	20.47	18.19	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	64QAM	20.22	17.94	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	64QAM	20.5	18.22	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	64QAM	20.43	18.15	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	64QAM	20.7	18.42	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	64QAM	20.35	18.07	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	64QAM	20.67	18.39	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	64QAM	20.69	18.41	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	64QAM	20.38	18.1	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	64QAM	20.49	18.21	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	64QAM	20.55	18.27	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	64QAM	20.6	18.32	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	64QAM	20.54	18.26	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	64QAM	20.46	18.18	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	64QAM	20.64	18.36	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	64QAM	20.49	18.21	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	64QAM	20.41	18.13	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	64QAM	20.55	18.27	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	64QAM	20.53	18.25	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	64QAM	20.32	18.04	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	64QAM	20.57	18.29	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	64QAM	20.32	18.04	33.00	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2601 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



1.2 Max Power Test Result for LTE Band CA_41C(ANT13)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	QPSK	23.36	22.04	33.00	PASS
CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	QPSK	23.38	22.06	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	QPSK	23.6	22.28	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	QPSK	23.37	22.05	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	QPSK	23.62	22.3	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	QPSK	23.62	22.3	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	QPSK	23.29	21.97	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	QPSK	23.33	22.01	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	QPSK	23.52	22.2	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	QPSK	23.59	22.27	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	QPSK	23.6	22.28	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	QPSK	23.81	22.49	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	QPSK	23.62	22.3	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	QPSK	23.49	22.17	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	QPSK	23.64	22.32	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	QPSK	23.55	22.23	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	QPSK	23.8	22.48	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	QPSK	23.73	22.41	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	QPSK	23.34	22.02	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	QPSK	23.49	22.17	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	QPSK	23.63	22.31	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	QPSK	23.43	22.11	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	QPSK	23.45	22.13	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	QPSK	23.67	22.35	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	QPSK	23.44	22.12	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	QPSK	23.36	22.04	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	QPSK	23.42	22.1	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	QPSK	23.4	22.08	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	QPSK	23.61	22.29	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	QPSK	23.57	22.25	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	QPSK	23.38	22.06	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	QPSK	23.19	21.87	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	QPSK	23.48	22.16	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	QPSK	23.33	22.01	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	QPSK	23.54	22.22	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	QPSK	23.45	22.13	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	QPSK	23.26	21.94	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	QPSK	23	21.68	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	QPSK	23.41	22.09	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	QPSK	23.24	21.92	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	QPSK	23.47	22.15	33.00	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch and CSTC Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2601 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	QPSK	23.32	22	33.00	PASS
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	16QAM	22.51	21.19	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	16QAM	22.71	21.39	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	16QAM	22.5	21.18	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	16QAM	22.71	21.39	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	16QAM	22.37	21.05	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	16QAM	22.44	21.12	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	16QAM	22.61	21.29	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	16QAM	22.66	21.34	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	16QAM	22.7	21.38	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	16QAM	22.91	21.59	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	16QAM	22.6	21.28	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	16QAM	22.57	21.25	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	16QAM	22.61	21.29	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	16QAM	22.66	21.34	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	16QAM	22.76	21.44	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	16QAM	22.81	21.49	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	16QAM	22.43	21.11	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	16QAM	22.59	21.27	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	16QAM	22.7	21.38	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	16QAM	22.52	21.2	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	16QAM	22.57	21.25	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	16QAM	22.77	21.45	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	16QAM	22.51	21.19	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	16QAM	22.62	21.3	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	16QAM	22.67	21.35	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	16QAM	22.36	21.04	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	16QAM	22.29	20.97	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	16QAM	22.45	21.13	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	16QAM	22.44	21.12	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	16QAM	22.54	21.22	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	16QAM	22.55	21.23	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	16QAM	22.13	20.81	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	16QAM	22.1	20.78	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	16QAM	22.3	20.98	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	16QAM	22.35	21.03	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	16QAM	22.34	21.02	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	16QAM	22.43	21.11	33.00	PASS
CA_41C	25RB+100RB	39683+39800	1RB#0	0RB#0	64QAM	21.23	19.91	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2601 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC Laboratory)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_41C	25RB+100RB	40528+40645	1RB#0	0RB#0	64QAM	21.3	19.98	33.00	PASS
CA_41C	25RB+100RB	41373+41490	1RB#0	0RB#0	64QAM	21.49	20.17	33.00	PASS
CA_41C	50RB+75RB	39703+39823	1RB#0	0RB#0	64QAM	21.24	19.92	33.00	PASS
CA_41C	50RB+75RB	40549+40669	1RB#0	0RB#0	64QAM	21.31	19.99	33.00	PASS
CA_41C	50RB+75RB	41395+41515	1RB#0	0RB#0	64QAM	21.52	20.2	33.00	PASS
CA_41C	50RB+100RB	39705+39849	1RB#0	0RB#0	64QAM	21.15	19.83	33.00	PASS
CA_41C	50RB+100RB	40526+40670	1RB#0	0RB#0	64QAM	21.25	19.93	33.00	PASS
CA_41C	50RB+100RB	41346+41490	1RB#0	0RB#0	64QAM	21.41	20.09	33.00	PASS
CA_41C	75RB+50RB	39725+39845	1RB#0	0RB#0	64QAM	21.69	20.37	33.00	PASS
CA_41C	75RB+50RB	40571+40691	1RB#0	0RB#0	64QAM	21.49	20.17	33.00	PASS
CA_41C	75RB+50RB	41417+41537	1RB#0	0RB#0	64QAM	21.43	20.11	33.00	PASS
CA_41C	75RB+75RB	39725+39875	1RB#0	0RB#0	64QAM	21.52	20.2	33.00	PASS
CA_41C	75RB+75RB	39725+39875	16RB#0	0RB#0	64QAM	21.34	20.02	33.00	PASS
CA_41C	75RB+75RB	40545+40695	1RB#0	0RB#0	64QAM	21.51	20.19	33.00	PASS
CA_41C	75RB+75RB	40545+40695	16RB#0	0RB#0	64QAM	21.59	20.27	33.00	PASS
CA_41C	75RB+75RB	41365+41515	1RB#0	0RB#0	64QAM	21.68	20.36	33.00	PASS
CA_41C	75RB+75RB	41365+41515	16RB#0	0RB#0	64QAM	21.44	20.12	33.00	PASS
CA_41C	75RB+100RB	39728+39899	1RB#0	0RB#0	64QAM	21.21	19.89	33.00	PASS
CA_41C	75RB+100RB	40523+40694	1RB#0	0RB#0	64QAM	21.47	20.15	33.00	PASS
CA_41C	75RB+100RB	41319+41490	1RB#0	0RB#0	64QAM	21.37	20.05	33.00	PASS
CA_41C	100RB+25RB	39800+39683	1RB#0	0RB#0	64QAM	21.33	20.01	33.00	PASS
CA_41C	100RB+25RB	40645+40528	1RB#0	0RB#0	64QAM	21.37	20.05	33.00	PASS
CA_41C	100RB+25RB	41490+41373	1RB#0	0RB#0	64QAM	21.56	20.24	33.00	PASS
CA_41C	100RB+50RB	39750+39894	1RB#0	0RB#0	64QAM	21.41	20.09	33.00	PASS
CA_41C	100RB+50RB	39750+39894	12RB#0	0RB#0	64QAM	21.23	19.91	33.00	PASS
CA_41C	100RB+50RB	40571+40715	1RB#0	0RB#0	64QAM	21.4	20.08	33.00	PASS
CA_41C	100RB+50RB	40571+40715	12RB#0	0RB#0	64QAM	21.32	20	33.00	PASS
CA_41C	100RB+50RB	41391+41535	1RB#0	0RB#0	64QAM	21.56	20.24	33.00	PASS
CA_41C	100RB+50RB	41391+41535	12RB#0	0RB#0	64QAM	21.45	20.13	33.00	PASS
CA_41C	100RB+75RB	39750+39921	1RB#0	0RB#0	64QAM	21.29	19.97	33.00	PASS
CA_41C	100RB+75RB	39750+39921	16RB#0	0RB#0	64QAM	21.08	19.76	33.00	PASS
CA_41C	100RB+75RB	40546+40717	1RB#0	0RB#0	64QAM	21.35	20.03	33.00	PASS
CA_41C	100RB+75RB	40546+40717	16RB#0	0RB#0	64QAM	21.26	19.94	33.00	PASS
CA_41C	100RB+75RB	41341+41512	1RB#0	0RB#0	64QAM	21.45	20.13	33.00	PASS
CA_41C	100RB+75RB	41341+41512	16RB#0	0RB#0	64QAM	21.34	20.02	33.00	PASS
CA_41C	100RB+100RB	39750+39948	1RB#0	0RB#0	64QAM	21.18	19.86	33.00	PASS
CA_41C	100RB+100RB	39750+39948	18RB#0	0RB#0	64QAM	20.92	19.6	33.00	PASS
CA_41C	100RB+100RB	40521+40719	1RB#0	0RB#0	64QAM	21.35	20.03	33.00	PASS
CA_41C	100RB+100RB	40521+40719	18RB#0	0RB#0	64QAM	21.18	19.86	33.00	PASS
CA_41C	100RB+100RB	41292+41490	1RB#0	0RB#0	64QAM	21.23	19.91	33.00	PASS
CA_41C	100RB+100RB	41292+41490	18RB#0	0RB#0	64QAM	21.39	20.07	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBi]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Not a Testing Laboratory)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



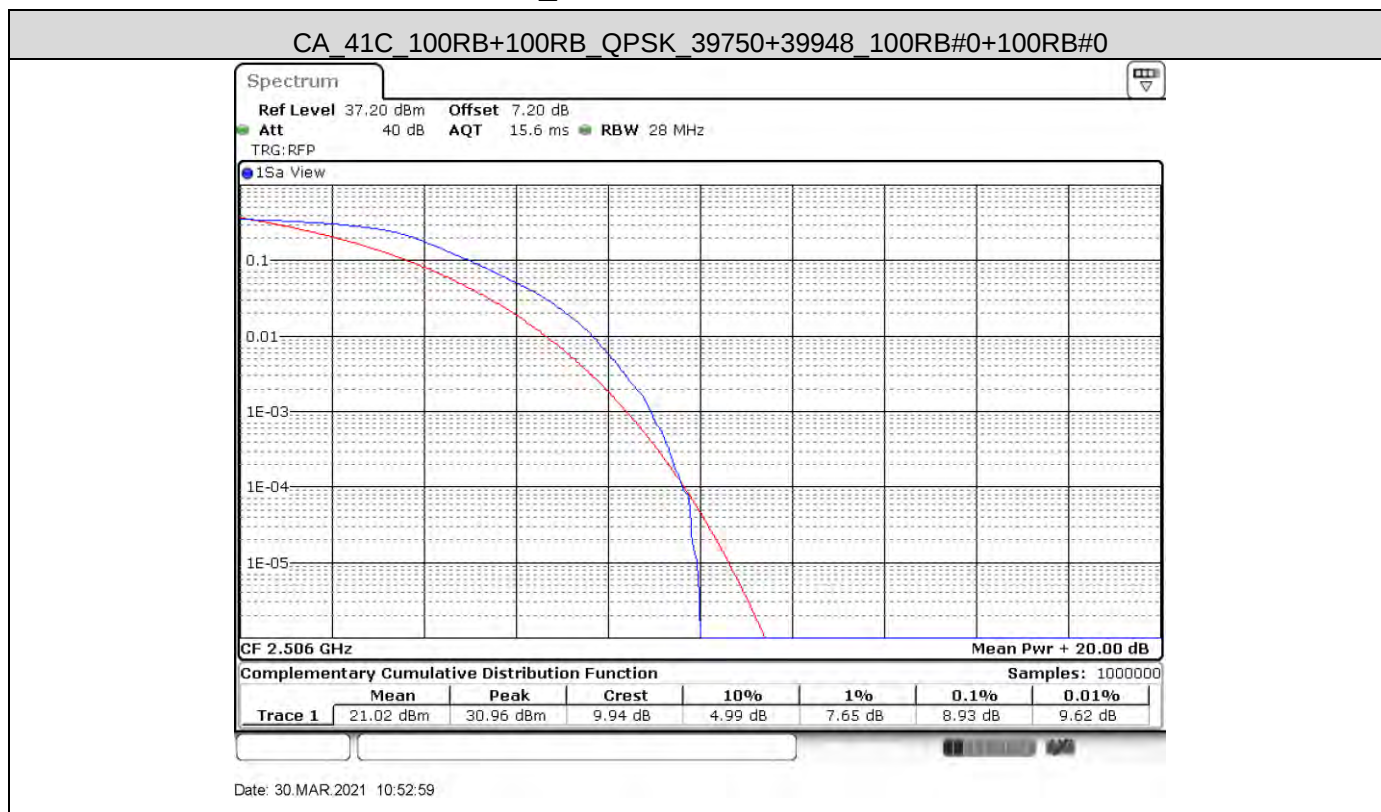
2 Peak-to-Average Ratio

Part I - Test Results

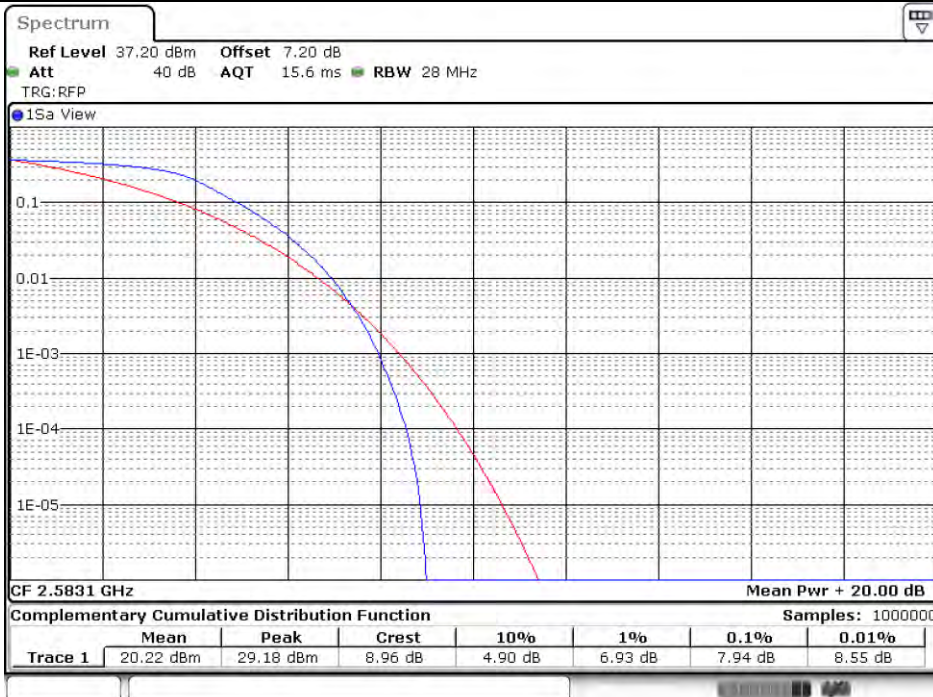
Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_41C	QPSK	100RB+100RB	39750+39948	100RB#0	100RB#0	8.93	13.00	PASS
CA_41C	QPSK	100RB+100RB	40521+40719	100RB#0	100RB#0	7.94	13.00	PASS
CA_41C	QPSK	100RB+100RB	41292+41490	100RB#0	100RB#0	8.90	13.00	PASS
CA_41C	16QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	9.59	13.00	PASS
CA_41C	16QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	9.62	13.00	PASS
CA_41C	16QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	9.57	13.00	PASS
CA_41C	64QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	8.52	13.00	PASS
CA_41C	64QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	9.77	13.00	PASS
CA_41C	64QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	9.83	13.00	PASS

2.1 For LTE

2.1.1 Test Band = LTE Band CA_41C



CA_41C_100RB+100RB_QPSK_40521+40719_100RB#0+100RB#0



Date: 30.MAR.2021 10:53:21

CA_41C_100RB+100RB_QPSK_41292+41490_100RB#0+100RB#0



Date: 30.MAR.2021 10:53:44



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA_41C_100RB+100RB_16QAM_39750+39948_100RB#0+100RB#0



Date: 30.MAR.2021 10:53:10

CA_41C_100RB+100RB_16QAM_40521+40719_100RB#0+100RB#0



Date: 30.MAR.2021 10:53:33



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA_41C_100RB+100RB_16QAM_41292+41490_100RB#0+100RB#0



Date: 30.MAR.2021 10:53:55

CA_41C_100RB+100RB_64QAM_39750+39948_100RB#0+100RB#0



Date: 30.MAR.2021 10:56:15



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA_41C_100RB+100RB_64QAM_40521+40719_100RB#0+100RB#0



Date: 30.MAR.2021 10:56:26

CA_41C_100RB+100RB_64QAM_41292+41490_100RB#0+100RB#0



Date: 30.MAR.2021 10:56:38



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 2307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



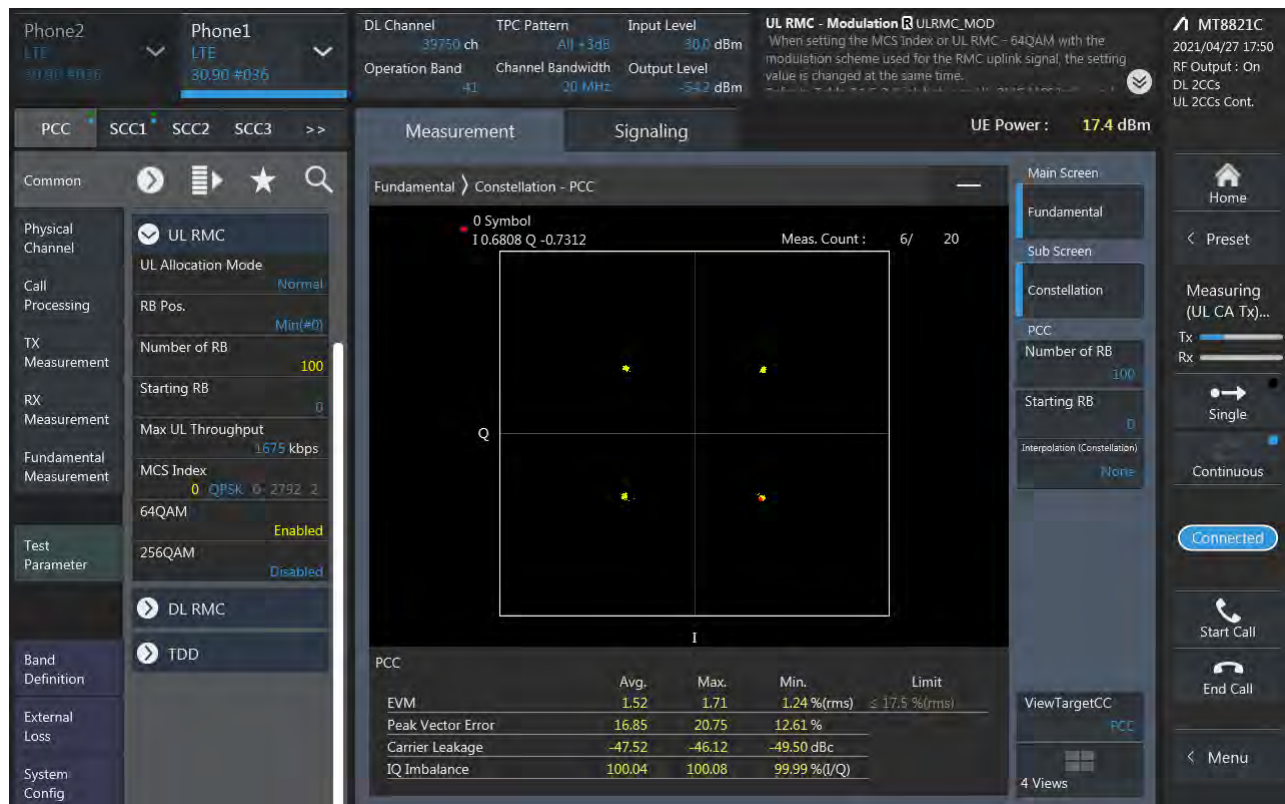
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_41C

3.1.1.1 Test Mode = LTE /QPSK 100RB+100RB

3.1.1.1.1 Test Channel = 40521+40719



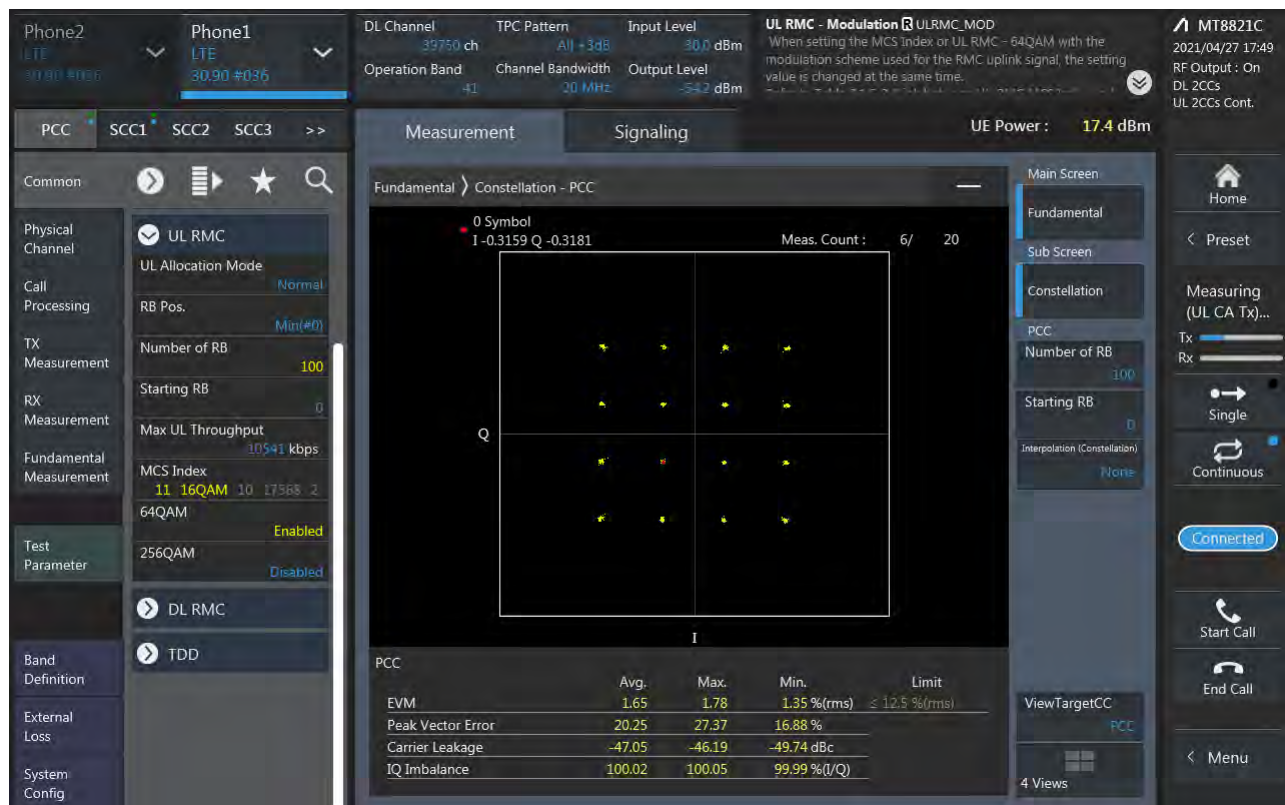
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Inspection & Testing Services)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB
3.1.1.2.1 Test Channel = 40521+40719



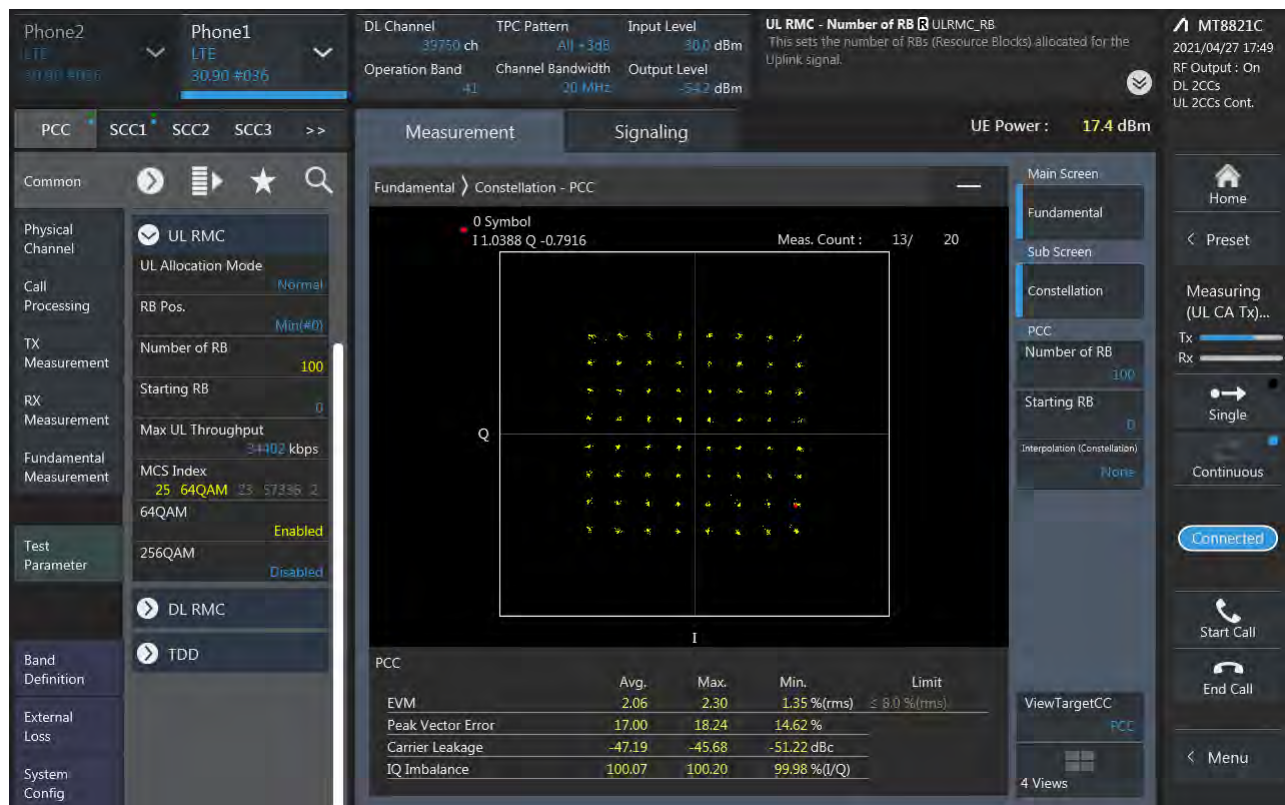
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have read, understood and accepted the Terms and Conditions of the document and to have agreed to follow the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is strictly prohibited and may result in civil or criminal proceedings being brought against the offender. The results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,
or email: CN.Doccheck@sgs.com.

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB
3.1.1.3.1 Test Channel = 40521+40719



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (SGS-CSTC) Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



4 26dB Bandwidth and Occupied Bandwidth

Test Band	Test Mode PCC/SCC	Modulation PCC&SCC	Test Channel PCC/SCC	RB Config	OBW [MHz]	EBW [MHz]	Verdict
CA_41C	25RB+100RB	QPSK	39683+39800	25RB#0+100RB#0	22.73	23.54	PASS
CA_41C	25RB+100RB	16QAM	39683+39800	25RB#0+100RB#0	22.73	23.54	PASS
CA_41C	25RB+100RB	64QAM	39683+39800	25RB#0+100RB#0	22.77	23.57	PASS
CA_41C	25RB+100RB	QPSK	40528+40645	25RB#0+100RB#0	22.69	23.54	PASS
CA_41C	25RB+100RB	16QAM	40528+40645	25RB#0+100RB#0	22.71	23.49	PASS
CA_41C	25RB+100RB	64QAM	40528+40645	25RB#0+100RB#0	22.73	23.54	PASS
CA_41C	25RB+100RB	QPSK	41373+41490	25RB#0+100RB#0	22.70	23.55	PASS
CA_41C	25RB+100RB	16QAM	41373+41490	25RB#0+100RB#0	22.73	23.51	PASS
CA_41C	25RB+100RB	64QAM	41373+41490	25RB#0+100RB#0	22.70	23.54	PASS
CA_41C	50RB+75RB	QPSK	39703+39823	50RB#0+75RB#0	23.03	23.90	PASS
CA_41C	50RB+75RB	16QAM	39703+39823	50RB#0+75RB#0	23.05	23.90	PASS
CA_41C	50RB+75RB	64QAM	39703+39823	50RB#0+75RB#0	23.03	23.90	PASS
CA_41C	50RB+75RB	QPSK	40549+40669	50RB#0+75RB#0	23.02	23.87	PASS
CA_41C	50RB+75RB	16QAM	40549+40669	50RB#0+75RB#0	23.03	23.89	PASS
CA_41C	50RB+75RB	64QAM	40549+40669	50RB#0+75RB#0	23.02	23.86	PASS
CA_41C	50RB+75RB	QPSK	41395+41515	50RB#0+75RB#0	23.02	23.91	PASS
CA_41C	50RB+75RB	16QAM	41395+41515	50RB#0+75RB#0	23.05	23.89	PASS
CA_41C	50RB+75RB	64QAM	41395+41515	50RB#0+75RB#0	23.02	23.90	PASS
CA_41C	50RB+100RB	QPSK	39705+39849	50RB#0+100RB#0	27.61	28.57	PASS
CA_41C	50RB+100RB	16QAM	39705+39849	50RB#0+100RB#0	27.61	28.60	PASS
CA_41C	50RB+100RB	64QAM	39705+39849	50RB#0+100RB#0	27.61	28.54	PASS
CA_41C	50RB+100RB	QPSK	40526+40670	50RB#0+100RB#0	27.59	28.57	PASS
CA_41C	50RB+100RB	16QAM	40526+40670	50RB#0+100RB#0	27.61	28.58	PASS
CA_41C	50RB+100RB	64QAM	40526+40670	50RB#0+100RB#0	27.56	28.57	PASS
CA_41C	50RB+100RB	QPSK	41346+41490	50RB#0+100RB#0	27.43	28.22	PASS
CA_41C	50RB+100RB	16QAM	41346+41490	50RB#0+100RB#0	27.20	28.52	PASS
CA_41C	50RB+100RB	64QAM	41346+41490	50RB#0+100RB#0	27.46	27.68	PASS
CA_41C	75RB+50RB	QPSK	39725+39845	75RB#0+50RB#0	23.13	24.38	PASS
CA_41C	75RB+50RB	16QAM	39725+39845	75RB#0+50RB#0	23.13	24.38	PASS
CA_41C	75RB+50RB	64QAM	39725+39845	75RB#0+50RB#0	23.10	24.37	PASS
CA_41C	75RB+50RB	QPSK	40571+40691	75RB#0+50RB#0	23.14	24.38	PASS
CA_41C	75RB+50RB	16QAM	40571+40691	75RB#0+50RB#0	23.13	24.37	PASS
CA_41C	75RB+50RB	64QAM	40571+40691	75RB#0+50RB#0	23.11	24.41	PASS





CA_41C	75RB+50RB	QPSK	41417+41537	75RB#0+50RB#0	23.14	24.39	PASS
CA_41C	75RB+50RB	16QAM	41417+41537	75RB#0+50RB#0	23.13	24.37	PASS
CA_41C	75RB+50RB	64QAM	41417+41537	75RB#0+50RB#0	23.11	24.34	PASS
CA_41C	75RB+75RB	QPSK	39725+39875	75RB#0+75RB#0	28.24	29.20	PASS
CA_41C	75RB+75RB	16QAM	39725+39875	75RB#0+75RB#0	28.24	29.17	PASS
CA_41C	75RB+75RB	64QAM	39725+39875	75RB#0+75RB#0	28.22	29.21	PASS
CA_41C	75RB+75RB	QPSK	40545+40695	75RB#0+75RB#0	28.24	29.44	PASS
CA_41C	75RB+75RB	16QAM	40545+40695	75RB#0+75RB#0	28.22	29.23	PASS
CA_41C	75RB+75RB	64QAM	40545+40695	75RB#0+75RB#0	28.19	29.36	PASS
CA_41C	75RB+75RB	QPSK	41365+41515	75RB#0+75RB#0	28.22	29.20	PASS
CA_41C	75RB+75RB	16QAM	41365+41515	75RB#0+75RB#0	28.22	29.21	PASS
CA_41C	75RB+75RB	64QAM	41365+41515	75RB#0+75RB#0	28.21	29.20	PASS
CA_41C	75RB+100RB	QPSK	39728+39899	75RB#0+100RB#0	32.55	33.89	PASS
CA_41C	75RB+100RB	16QAM	39728+39899	75RB#0+100RB#0	32.55	33.91	PASS
CA_41C	75RB+100RB	64QAM	39728+39899	75RB#0+100RB#0	32.53	33.93	PASS
CA_41C	75RB+100RB	QPSK	40523+40694	75RB#0+100RB#0	32.53	33.99	PASS
CA_41C	75RB+100RB	16QAM	40523+40694	75RB#0+100RB#0	32.55	33.91	PASS
CA_41C	75RB+100RB	64QAM	40523+40694	75RB#0+100RB#0	32.51	33.95	PASS
CA_41C	75RB+100RB	QPSK	41319+41490	75RB#0+100RB#0	32.55	33.97	PASS
CA_41C	75RB+100RB	16QAM	41319+41490	75RB#0+100RB#0	32.55	33.93	PASS
CA_41C	75RB+100RB	64QAM	41319+41490	75RB#0+100RB#0	32.55	33.95	PASS
CA_41C	100RB+25RB	QPSK	39800+39683	100RB#0+25RB#0	22.90	24.06	PASS
CA_41C	100RB+25RB	16QAM	39800+39683	100RB#0+25RB#0	22.87	24.05	PASS
CA_41C	100RB+25RB	64QAM	39800+39683	100RB#0+25RB#0	22.90	24.06	PASS
CA_41C	100RB+25RB	QPSK	40645+40528	100RB#0+25RB#0	22.89	24.06	PASS
CA_41C	100RB+25RB	16QAM	40645+40528	100RB#0+25RB#0	22.90	24.03	PASS
CA_41C	100RB+25RB	64QAM	40645+40528	100RB#0+25RB#0	22.90	24.06	PASS
CA_41C	100RB+25RB	QPSK	41490+41373	100RB#0+25RB#0	22.89	24.06	PASS
CA_41C	100RB+25RB	16QAM	41490+41373	100RB#0+25RB#0	22.91	24.07	PASS
CA_41C	100RB+25RB	64QAM	41490+41373	100RB#0+25RB#0	22.91	24.07	PASS
CA_41C	100RB+50RB	QPSK	39750+39894	100RB#0+50RB#0	27.70	29.08	PASS
CA_41C	100RB+50RB	16QAM	39750+39894	100RB#0+50RB#0	27.68	29.06	PASS
CA_41C	100RB+50RB	64QAM	39750+39894	100RB#0+50RB#0	27.71	29.06	PASS
CA_41C	100RB+50RB	QPSK	40571+40715	100RB#0+50RB#0	27.70	29.08	PASS
CA_41C	100RB+50RB	16QAM	40571+40715	100RB#0+50RB#0	27.71	29.06	PASS
CA_41C	100RB+50RB	64QAM	40571+40715	100RB#0+50RB#0	27.71	29.09	PASS
CA_41C	100RB+50RB	QPSK	41391+41535	100RB#0+50RB#0	27.70	29.09	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 26012053, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



CA_41C	100RB+50RB	16QAM	41391+41535	100RB#0+50RB#0	27.73	29.12	PASS
CA_41C	100RB+50RB	64QAM	41391+41535	100RB#0+50RB#0	27.71	29.05	PASS
CA_41C	100RB+75RB	QPSK	39750+39921	100RB#0+75RB#0	32.54	33.99	PASS
CA_41C	100RB+75RB	16QAM	39750+39921	100RB#0+75RB#0	32.59	34.01	PASS
CA_41C	100RB+75RB	64QAM	39750+39921	100RB#0+75RB#0	32.56	34.03	PASS
CA_41C	100RB+75RB	QPSK	40546+40717	100RB#0+75RB#0	32.59	34.01	PASS
CA_41C	100RB+75RB	16QAM	40546+40717	100RB#0+75RB#0	32.59	34.01	PASS
CA_41C	100RB+75RB	64QAM	40546+40717	100RB#0+75RB#0	32.61	34.01	PASS
CA_41C	100RB+75RB	QPSK	41341+41512	100RB#0+75RB#0	32.59	34.03	PASS
CA_41C	100RB+75RB	16QAM	41341+41512	100RB#0+75RB#0	32.61	34.01	PASS
CA_41C	100RB+75RB	64QAM	41341+41512	100RB#0+75RB#0	32.61	34.06	PASS
CA_41C	100RB+100RB	QPSK	39750+39948	100RB#0+100RB#0	37.41	38.89	PASS
CA_41C	100RB+100RB	16QAM	39750+39948	100RB#0+100RB#0	37.43	38.89	PASS
CA_41C	100RB+100RB	64QAM	39750+39948	100RB#0+100RB#0	37.43	38.91	PASS
CA_41C	100RB+100RB	QPSK	40521+40719	100RB#0+100RB#0	37.41	38.91	PASS
CA_41C	100RB+100RB	16QAM	40521+40719	100RB#0+100RB#0	37.43	38.89	PASS
CA_41C	100RB+100RB	64QAM	40521+40719	100RB#0+100RB#0	37.45	38.89	PASS
CA_41C	100RB+100RB	QPSK	41292+41490	100RB#0+100RB#0	37.39	38.93	PASS
CA_41C	100RB+100RB	16QAM	41292+41490	100RB#0+100RB#0	37.43	38.85	PASS
CA_41C	100RB+100RB	64QAM	41292+41490	100RB#0+100RB#0	37.43	38.89	PASS

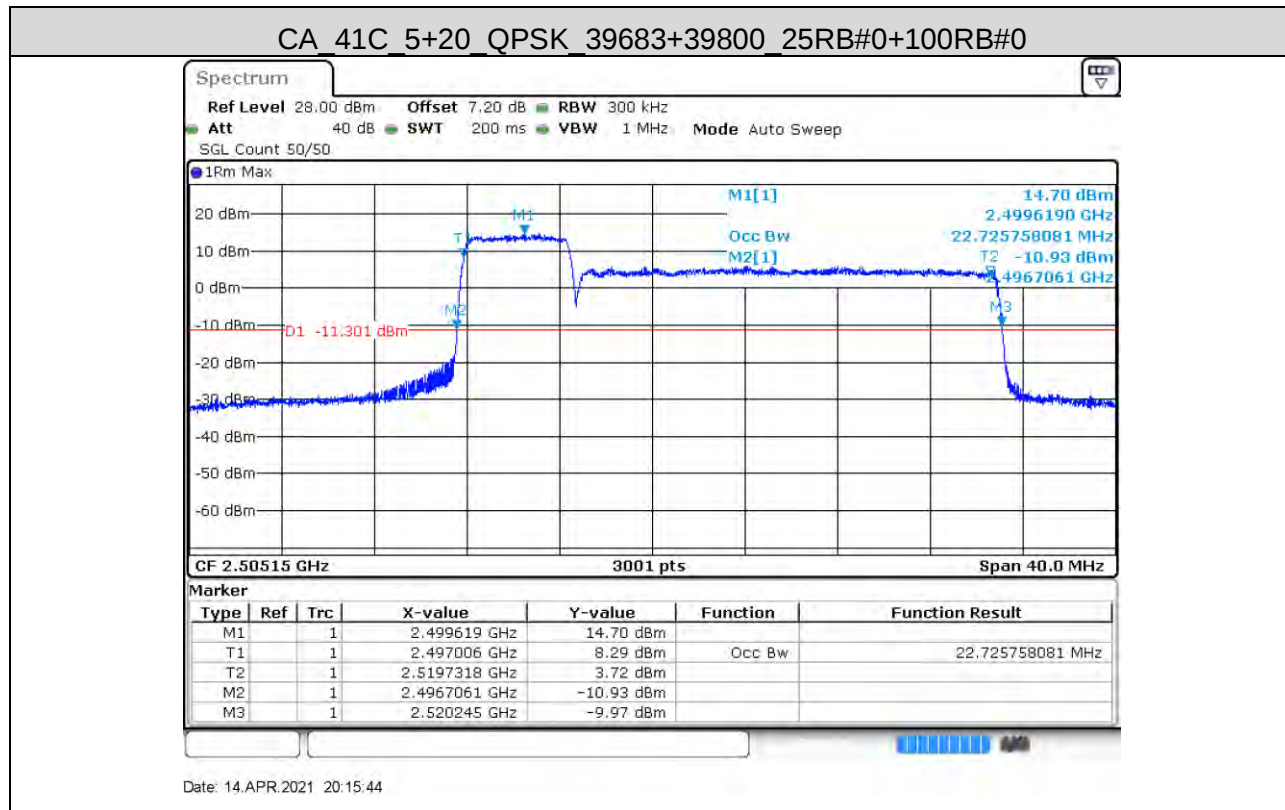


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

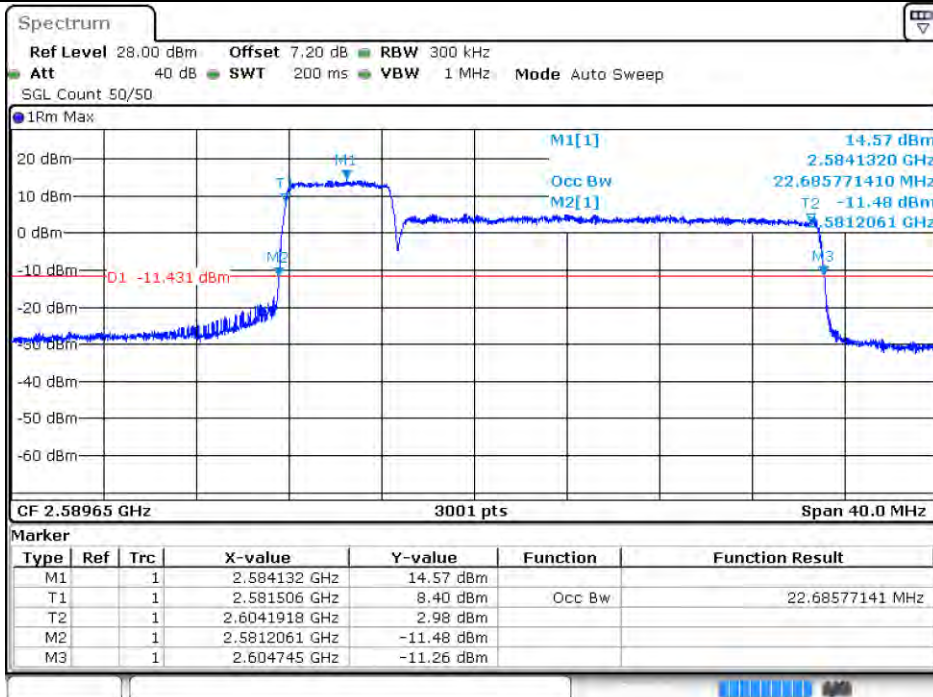
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

4.1 For LTE

4.1.1 Test Band = LTE Band CA_41C

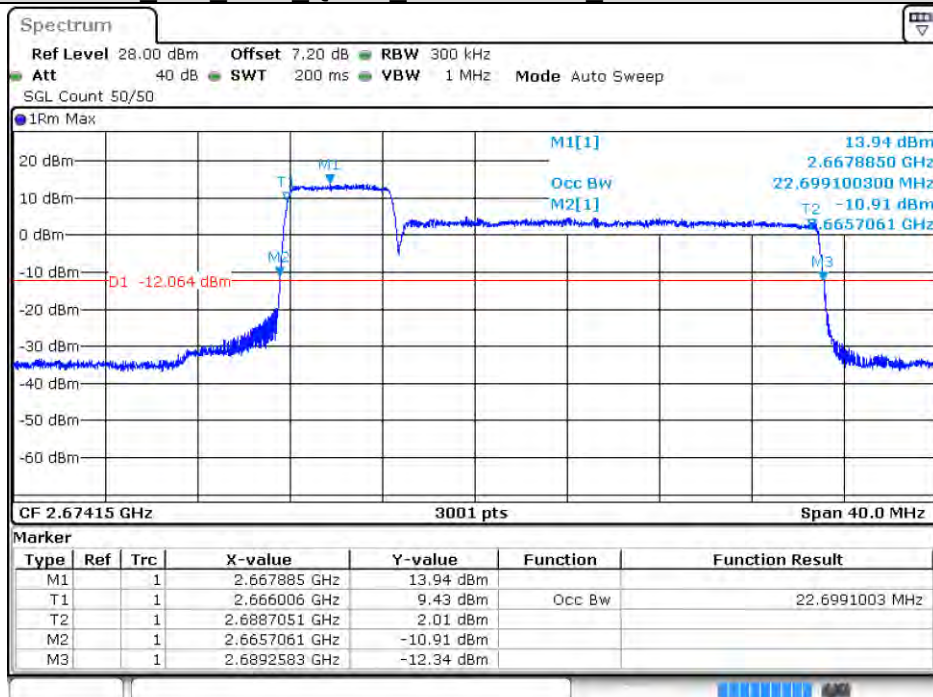


CA 41C 5+20 QPSK 40528+40645 25RB#0+100RB#0



Date: 14.APR.2021 20:16:40

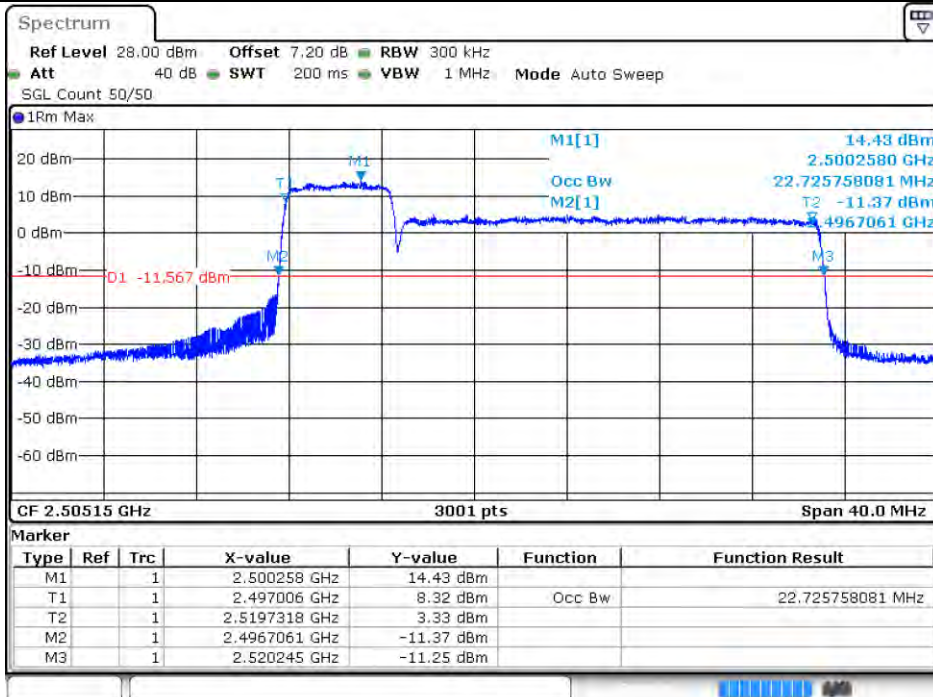
CA 41C 5+20 QPSK 41373+41490 25RB#0+100RB#0



Date: 14.APR.2021 20:17:37

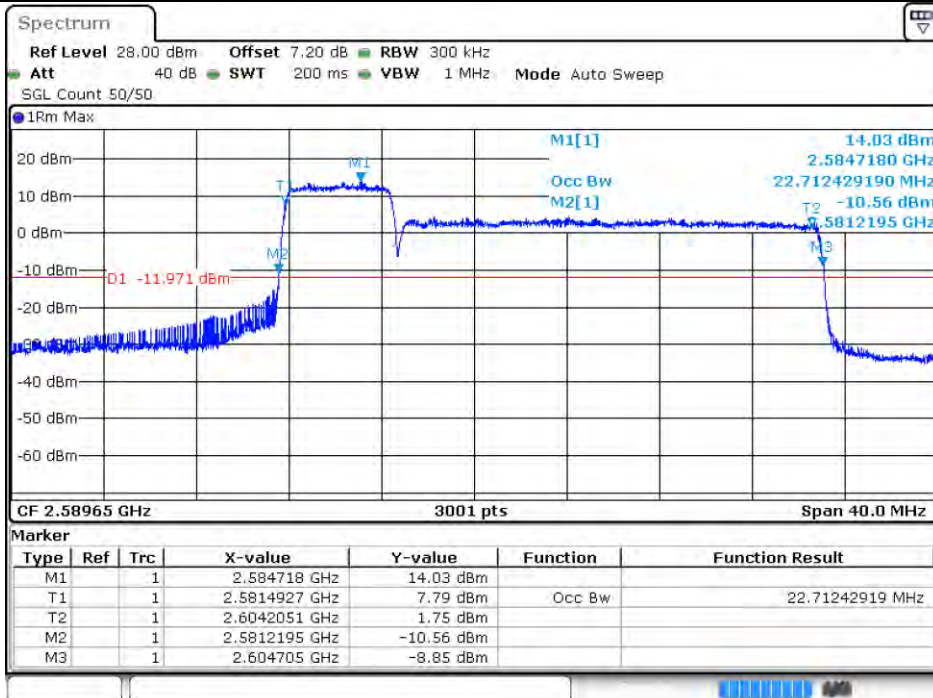


CA 41C 5+20 16QAM 39683+39800 25RB#0+100RB#0



Date: 14.APR.2021 20:16:00

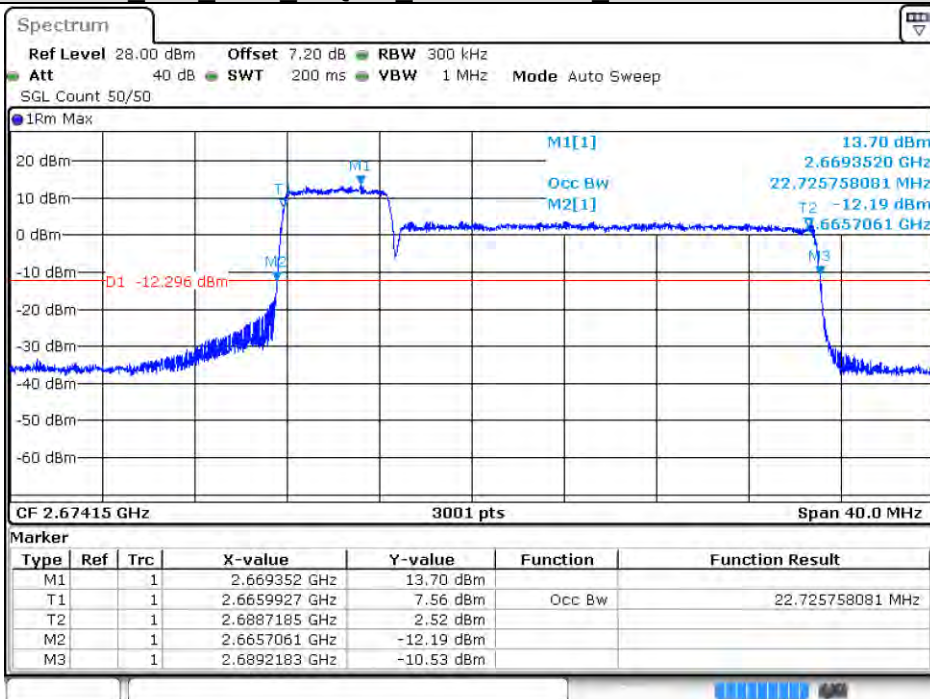
CA 41C 5+20 16QAM 40528+40645 25RB#0+100RB#0



Date: 14.APR.2021 20:16:57

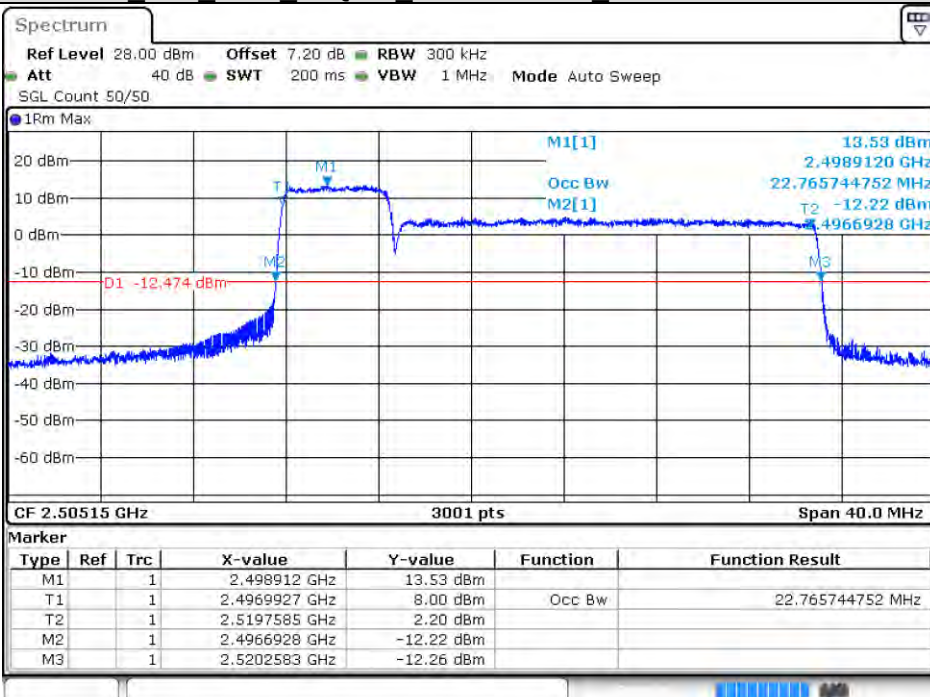


CA 41C 5+20 16QAM 41373+41490 25RB#0+100RB#0



Date: 14.APR.2021 20:17:54

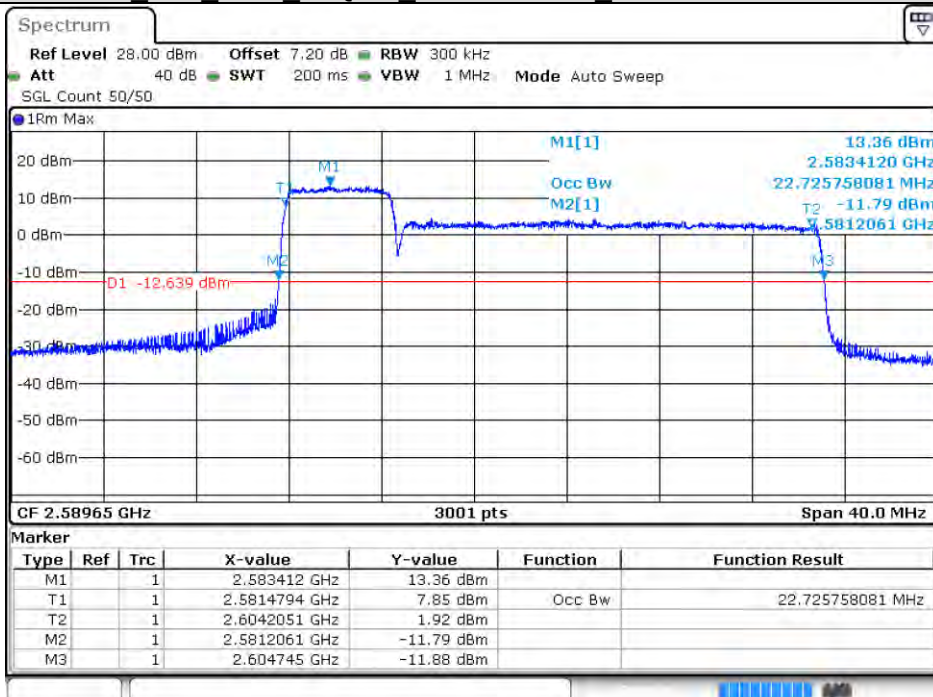
CA 41C 5+20 64QAM 39683+39800 25RB#0+100RB#0



Date: 14.APR.2021 20:16:17

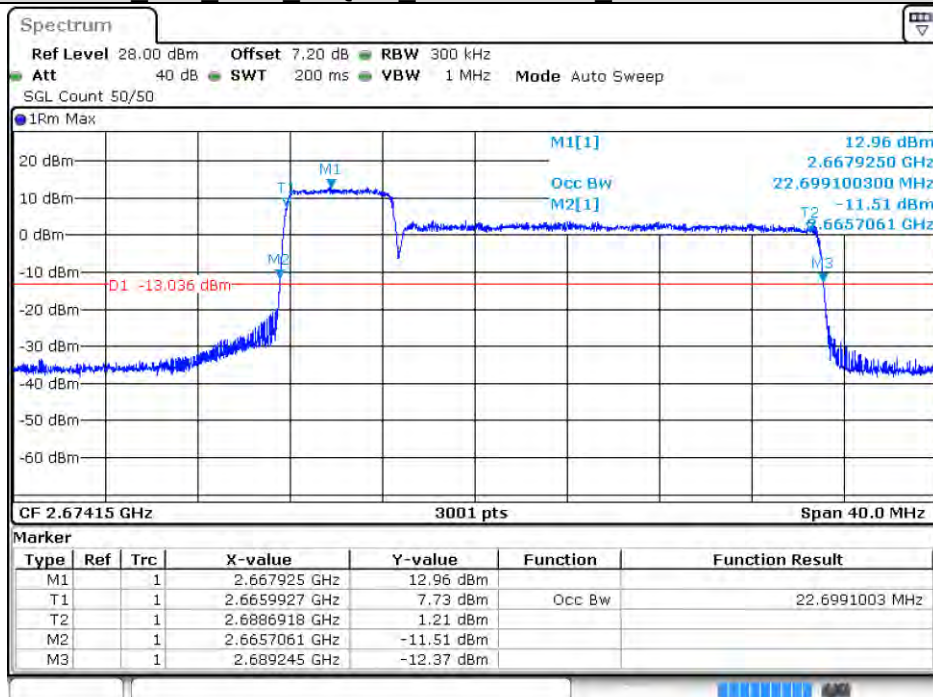


CA 41C 5+20 64QAM 40528+40645 25RB#0+100RB#0



Date: 14.APR.2021 20:17:14

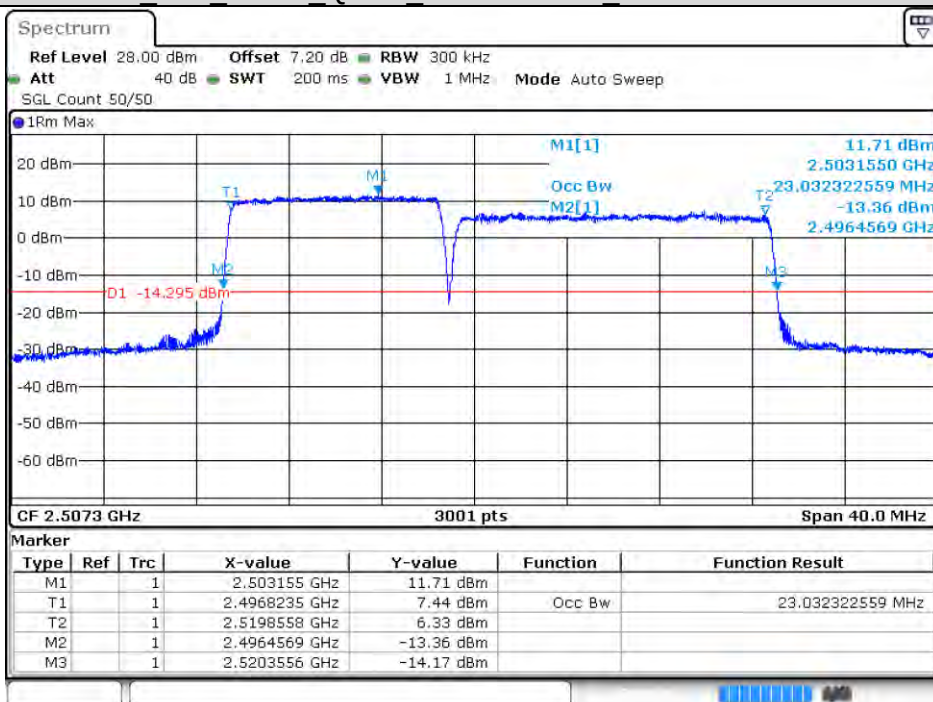
CA 41C 5+20 64QAM 41373+41490 25RB#0+100RB#0



Date: 14.APR.2021 20:18:11

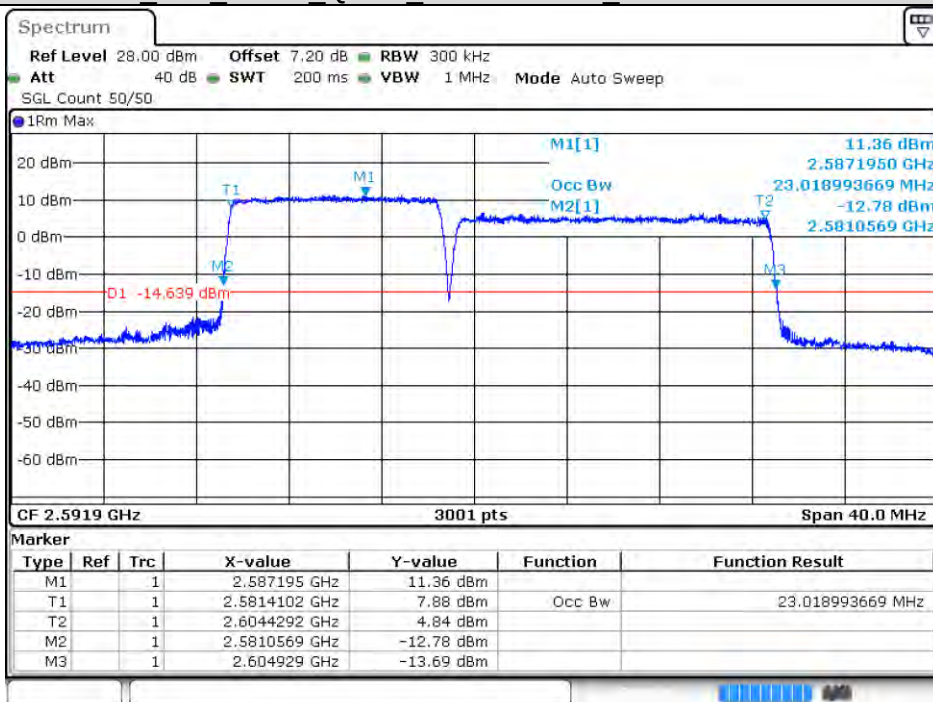


CA 41C 10+15 QPSK 39703+39823 50RB#0+75RB#0



Date: 14.APR.2021 20:18:55

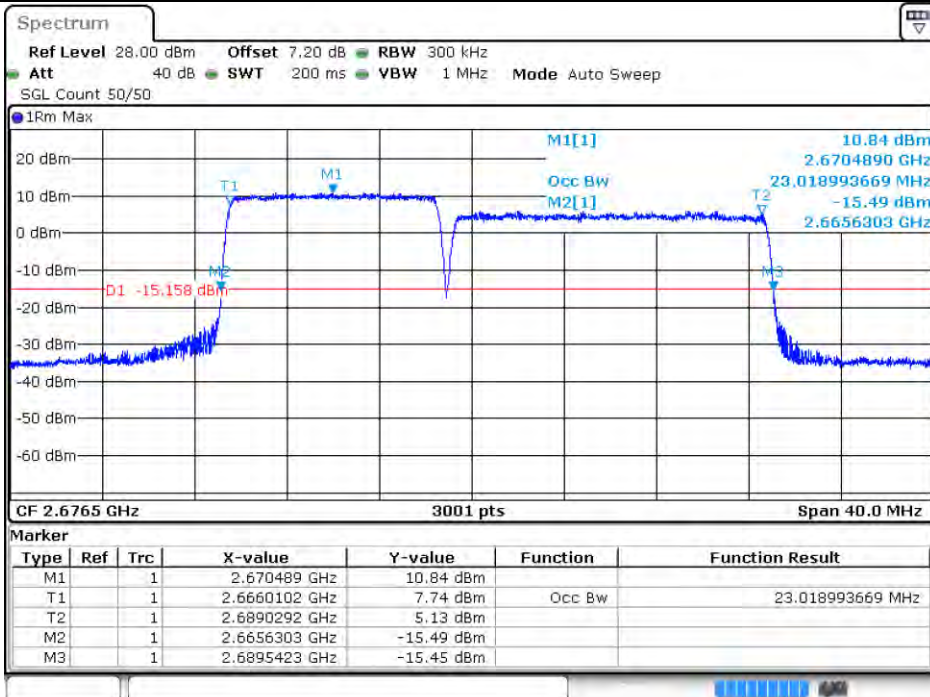
CA 41C 10+15 QPSK 40549+40669 50RB#0+75RB#0



Date: 14.APR.2021 20:19:51

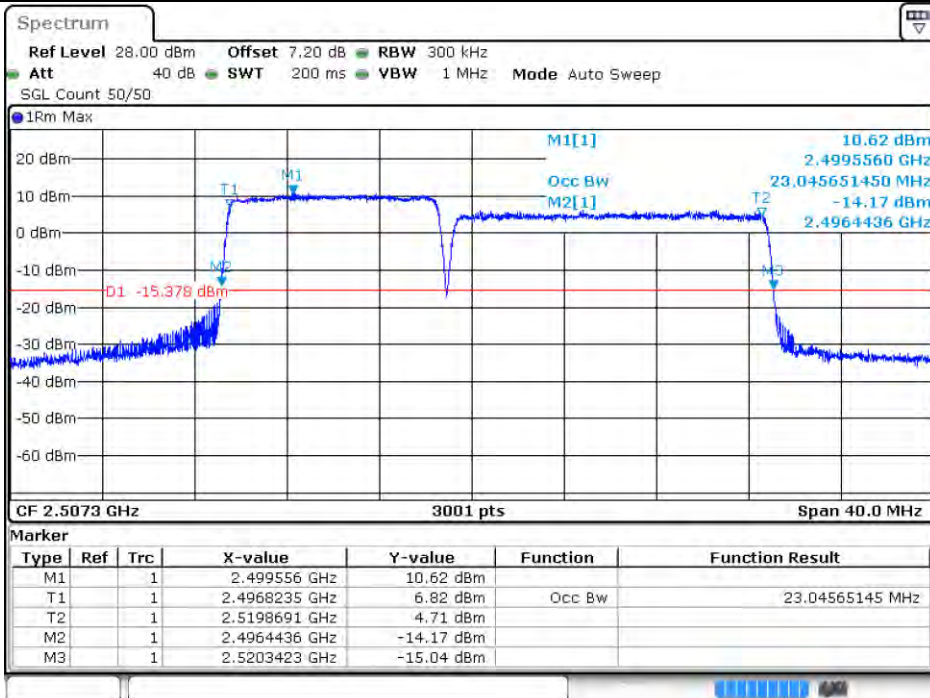


CA 41C 10+15 QPSK 41395+41515 50RB#0+75RB#0



Date: 14.APR.2021 20:20:47

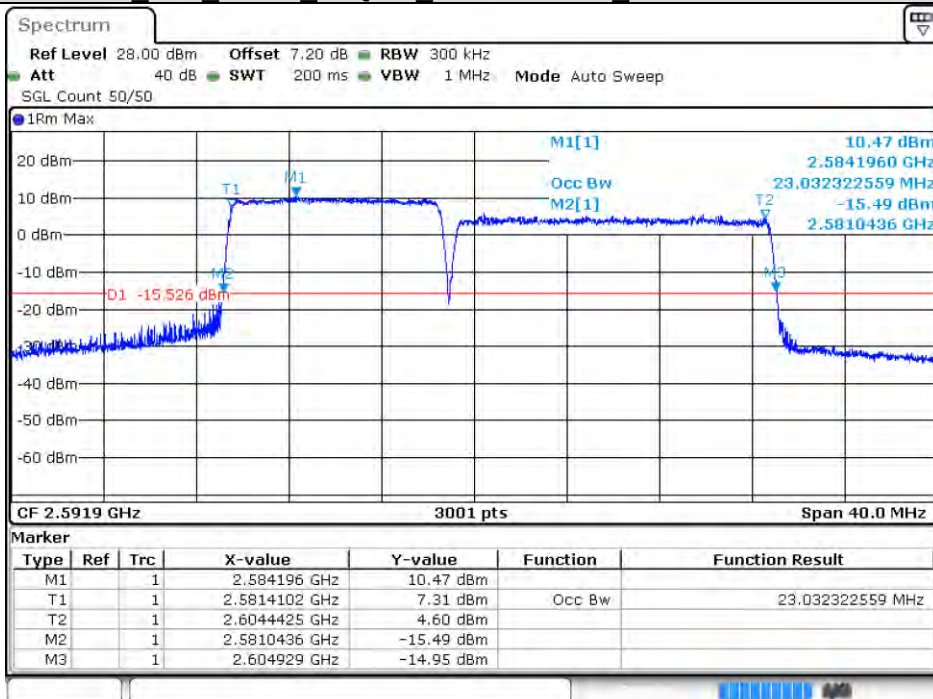
CA 41C 10+15 16QAM 39703+39823 50RB#0+75RB#0



Date: 14.APR.2021 20:19:11

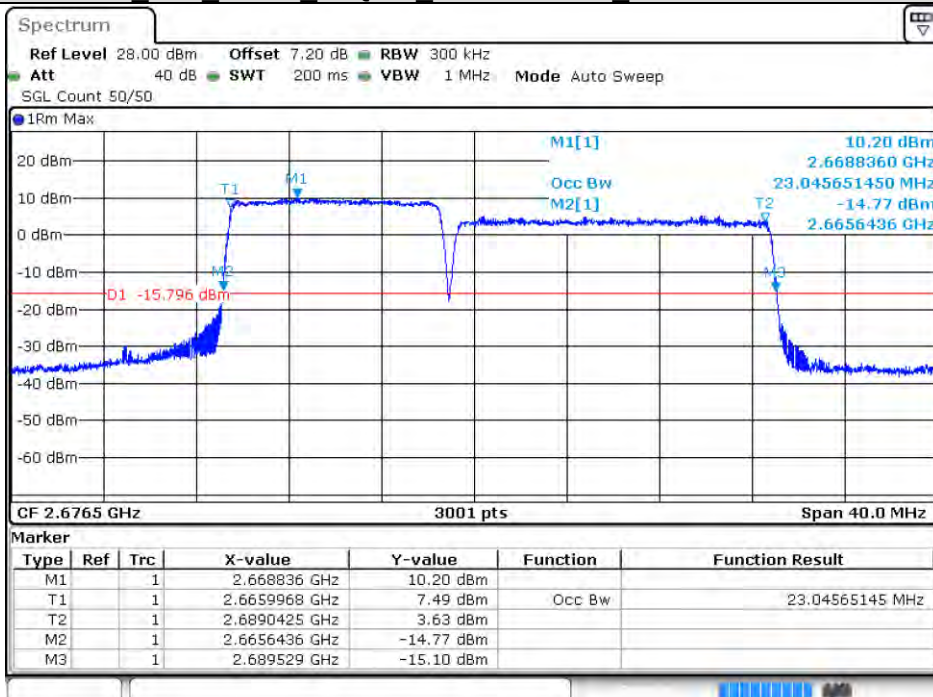


CA 41C 10+15 16QAM 40549+40669 50RB#0+75RB#0



Date: 14.APR.2021 20:20:07

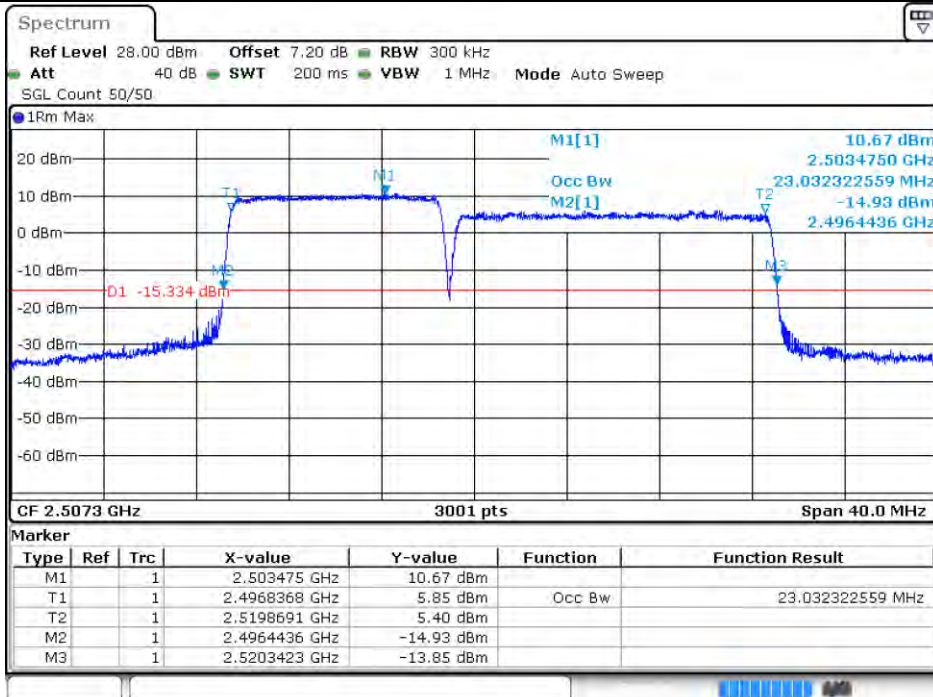
CA 41C 10+15 16QAM 41395+41515 50RB#0+75RB#0



Date: 14.APR.2021 20:21:04

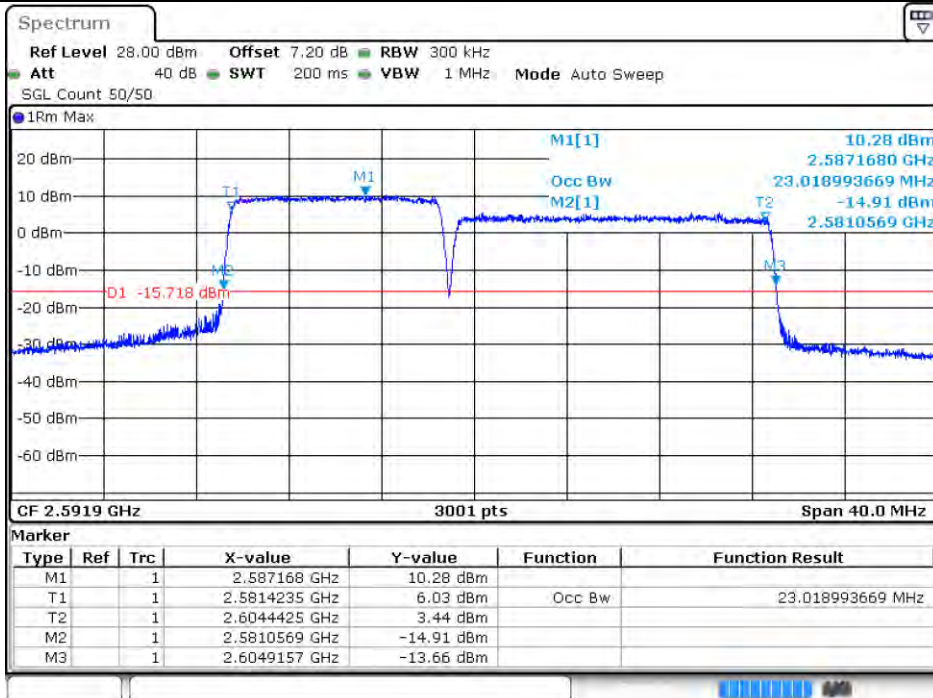


CA 41C 10+15 64QAM 39703+39823 50RB#0+75RB#0



Date: 14.APR.2021 20:19:28

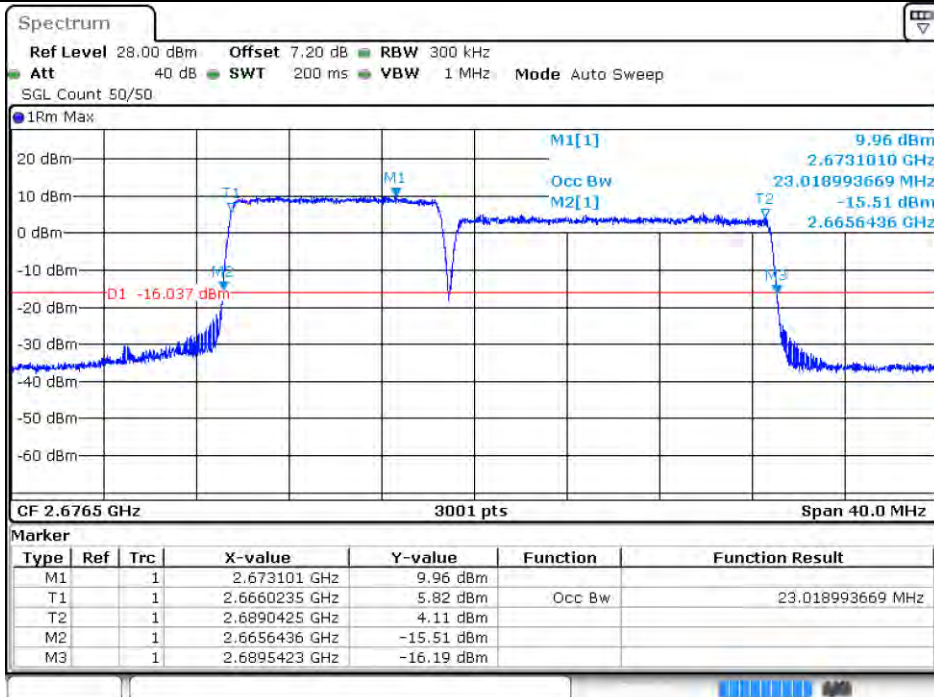
CA 41C 10+15 64QAM 40549+40669 50RB#0+75RB#0



Date: 14.APR.2021 20:20:24

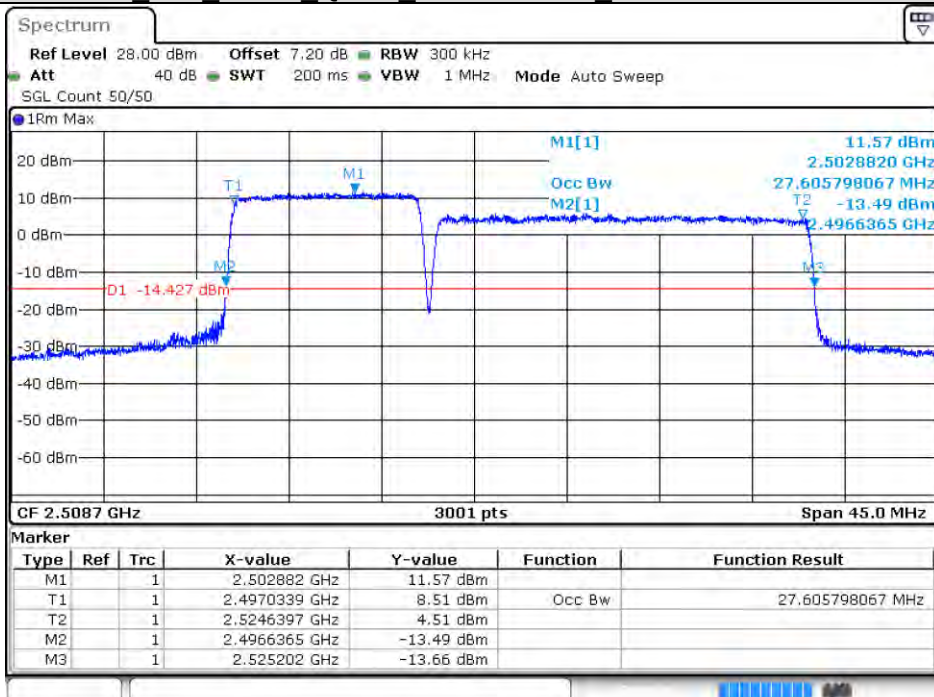


CA 41C 10+15 64QAM 41395+41515 50RB#0+75RB#0



Date: 14.APR.2021 20:21:21

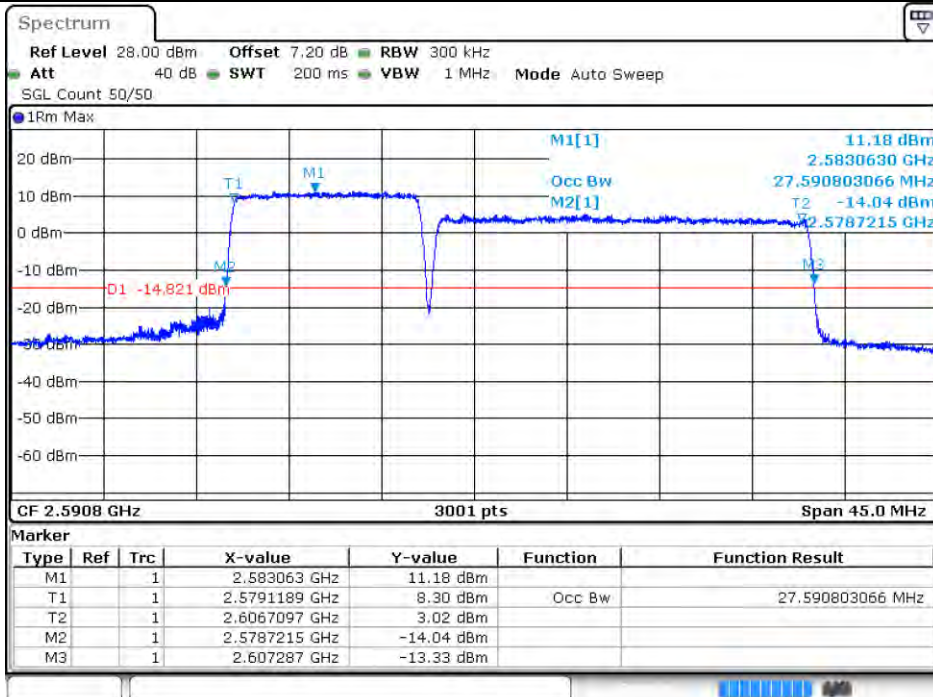
CA 41C 10+20 QPSK 39705+39849 50RB#0+100RB#0



Date: 14.APR.2021 20:25:20

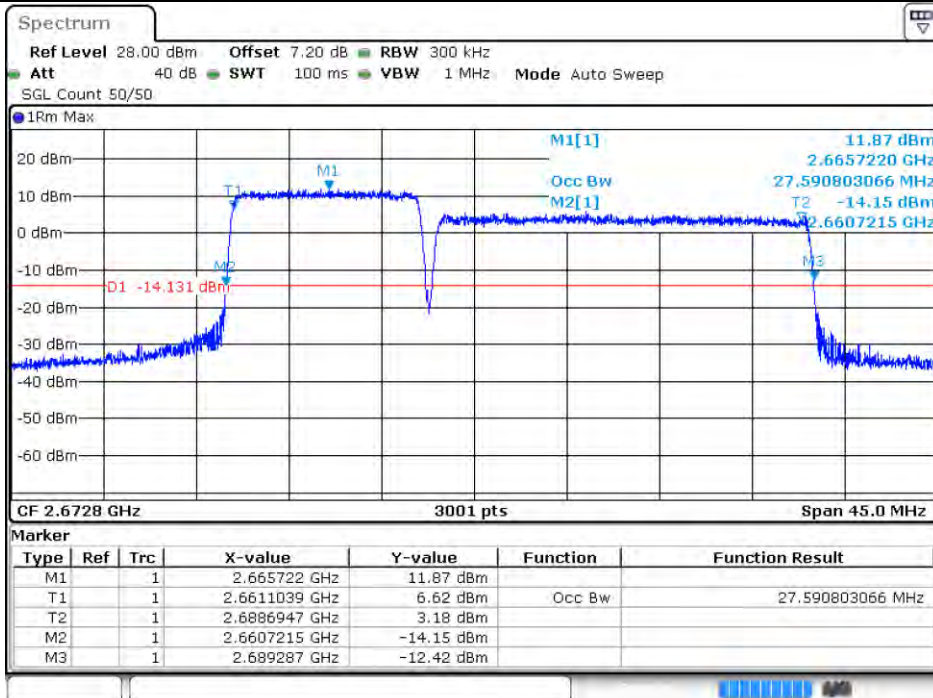


CA 41C 10+20 QPSK 40526+40670 50RB#0+100RB#0



Date: 14.APR.2021 20:26:13

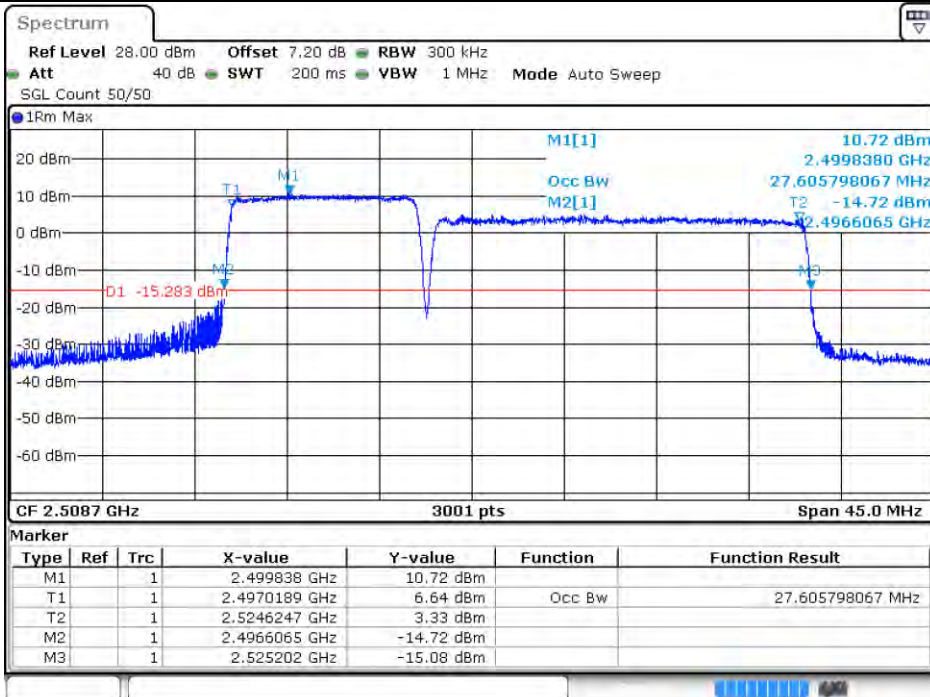
CA 41C 10+20 QPSK 41346+41490 50RB#0+100RB#0



Date: 14.APR.2021 22:24:48

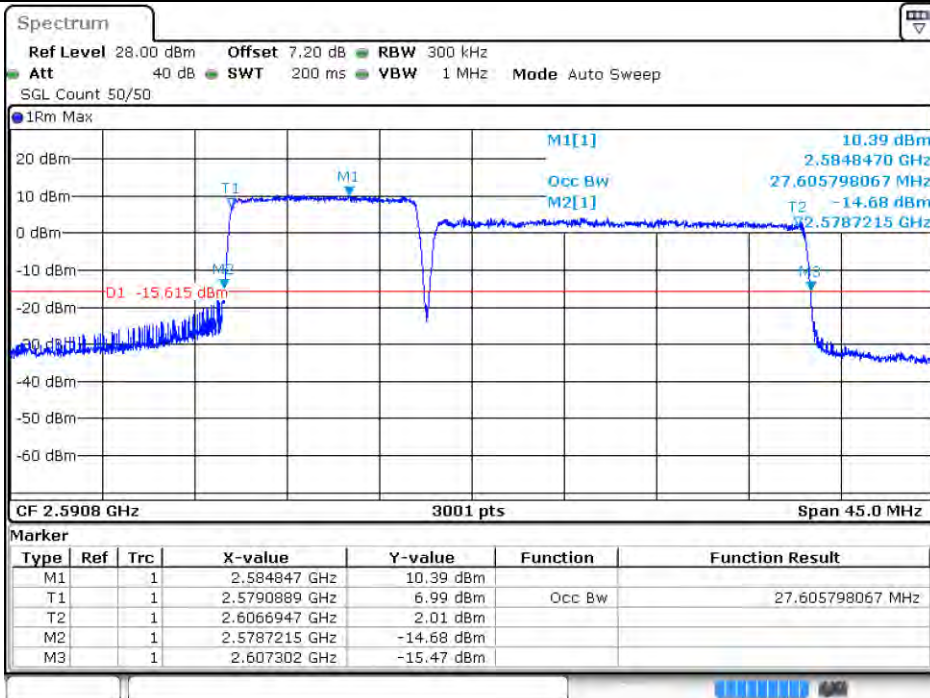


CA 41C 10+20 16QAM 39705+39849 50RB#0+100RB#0



Date: 14. APR. 2021 20:25:36

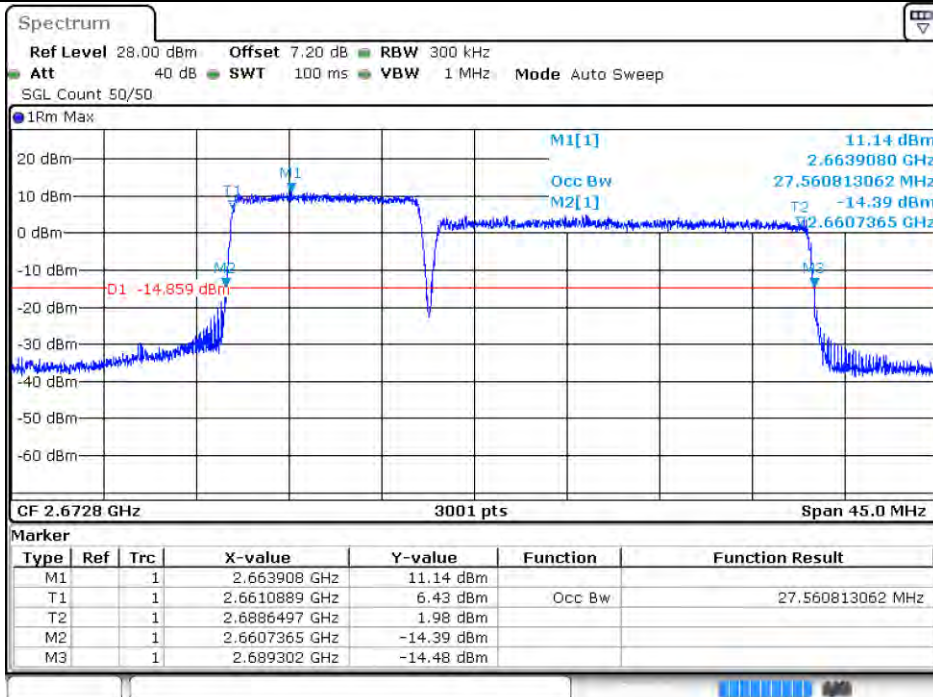
CA 41C 10+20 16QAM 40526+40670 50RB#0+100RB#0



Date: 14. APR. 2021 20:26:29

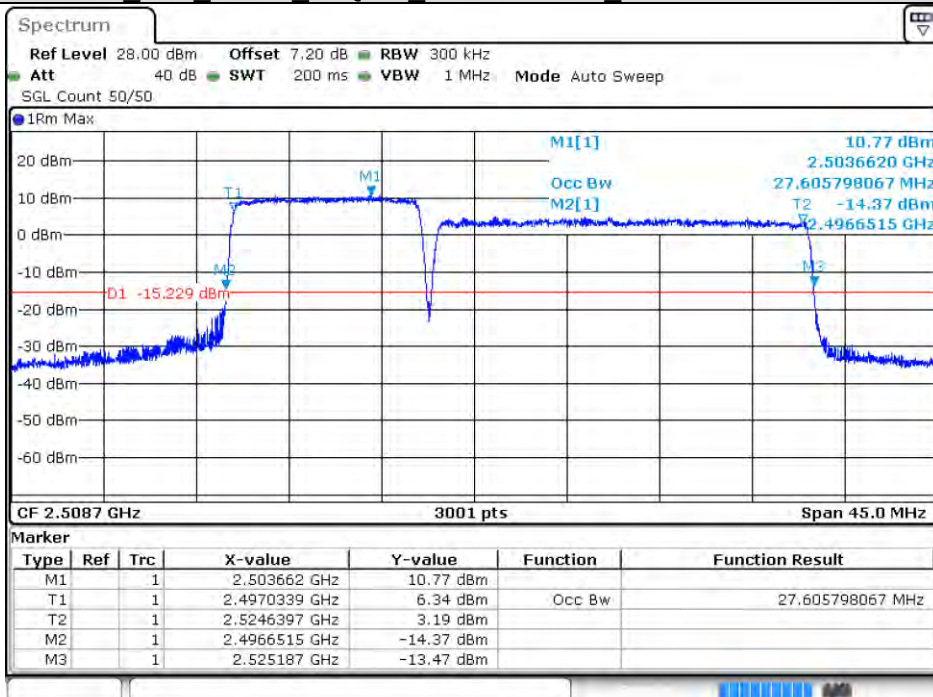


CA 41C 10+20 16QAM 41346+41490 50RB#0+100RB#0



Date: 14.APR.2021 22:42:15

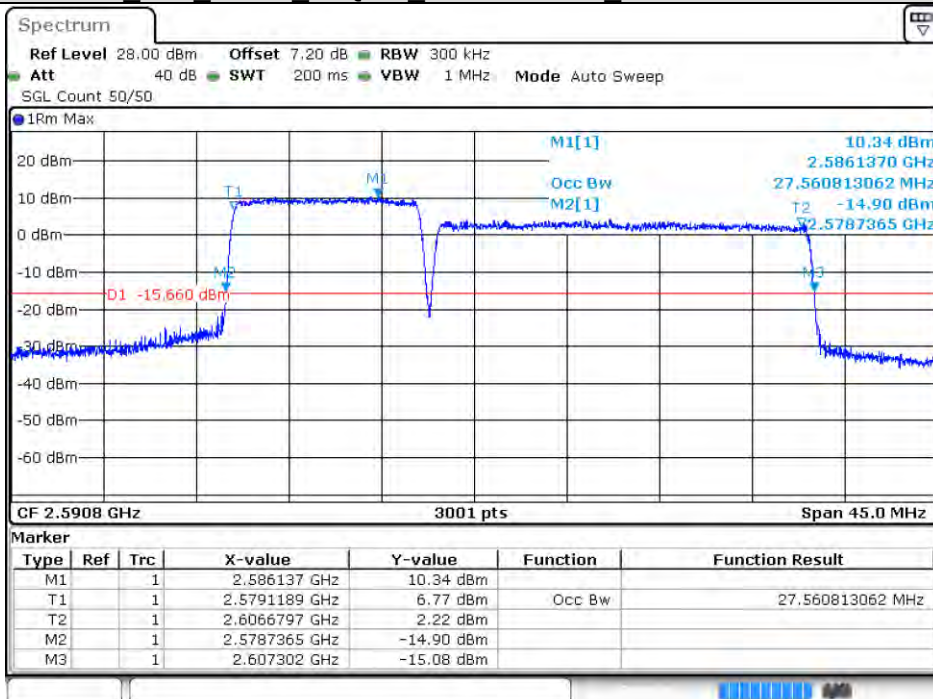
CA 41C 10+20 64QAM 39705+39849 50RB#0+100RB#0



Date: 14.APR.2021 20:25:53

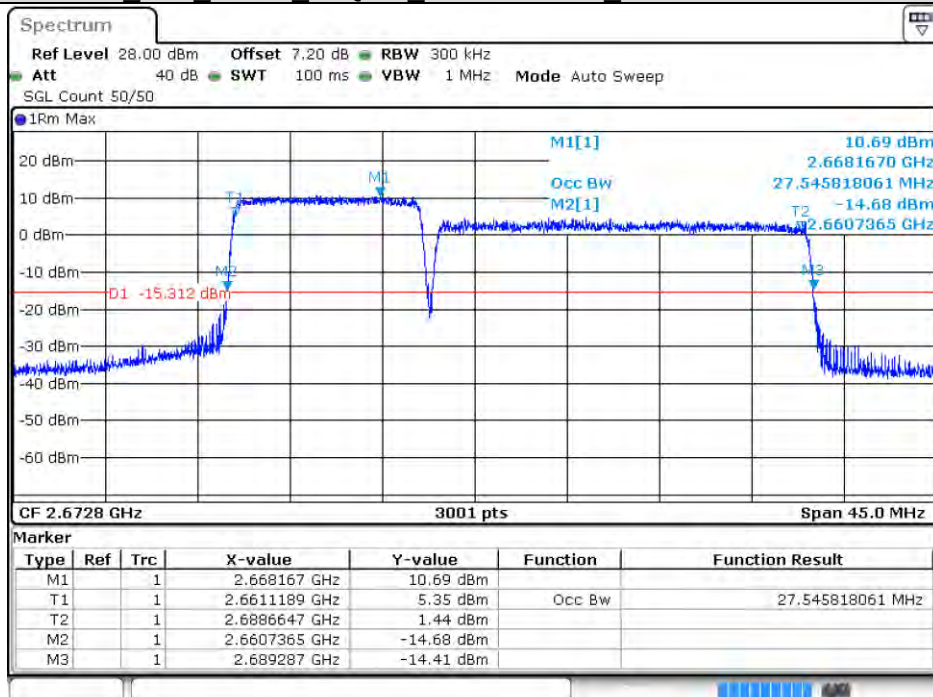


CA 41C 10+20 64QAM 40526+40670 50RB#0+100RB#0



Date: 14.APR.2021 20:26:45

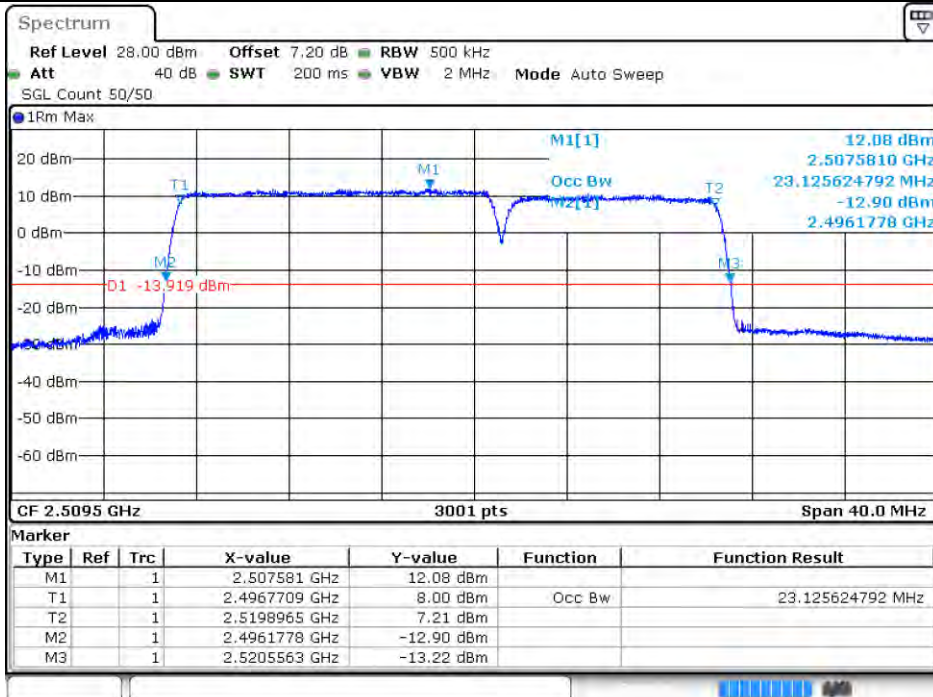
CA 41C 10+20 64QAM 41346+41490 50RB#0+100RB#0



Date: 14.APR.2021 22:25:25

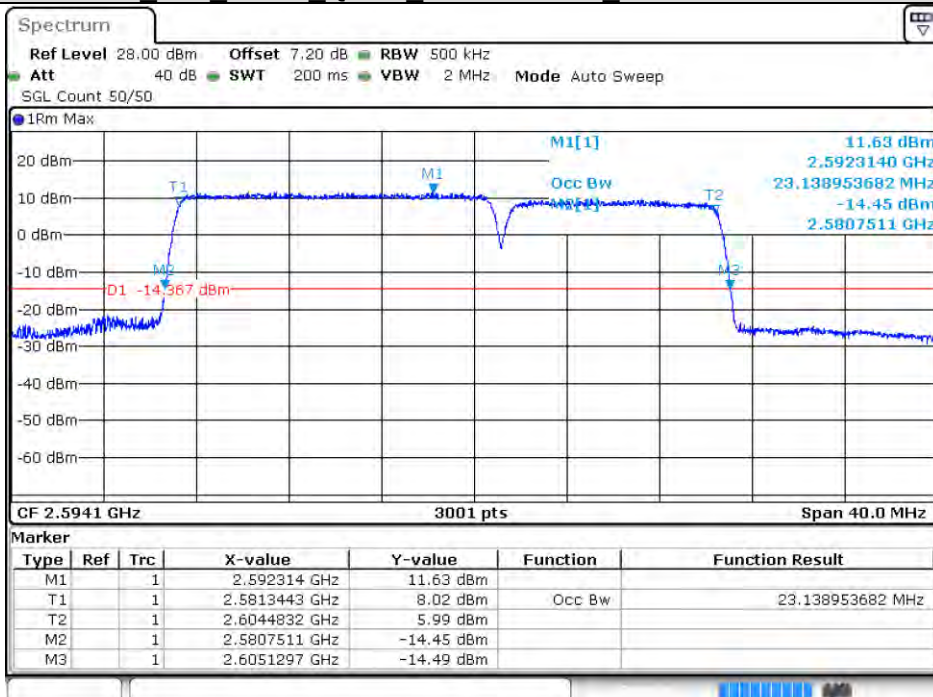


CA 41C 15+10 QPSK 39725+39845 75RB#0+50RB#0



Date: 14.APR.2021 20:22:04

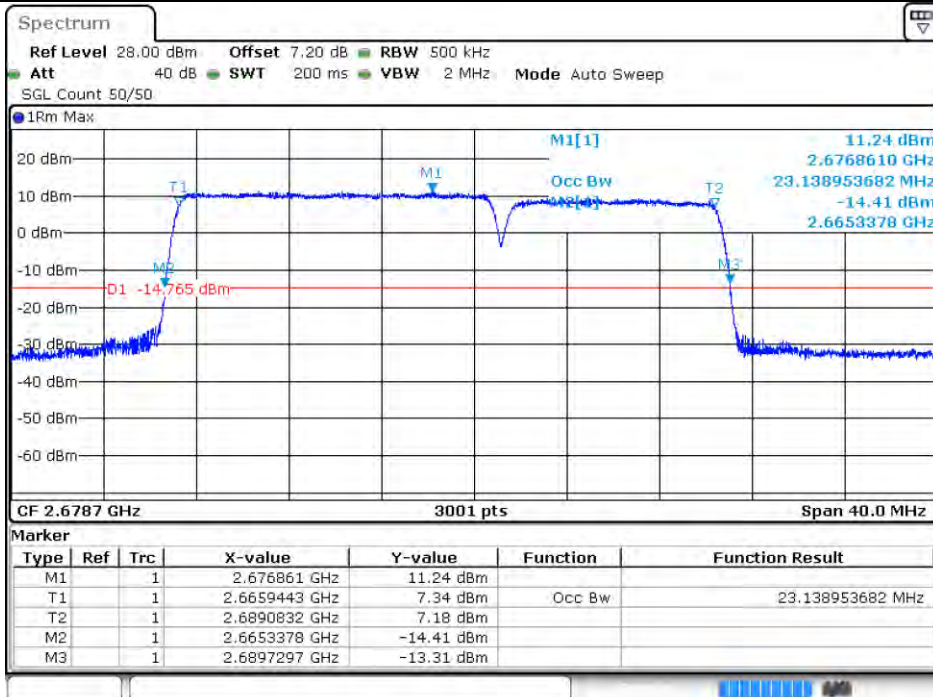
CA 41C 15+10 QPSK 40571+40691 75RB#0+50RB#0



Date: 14.APR.2021 20:23:00

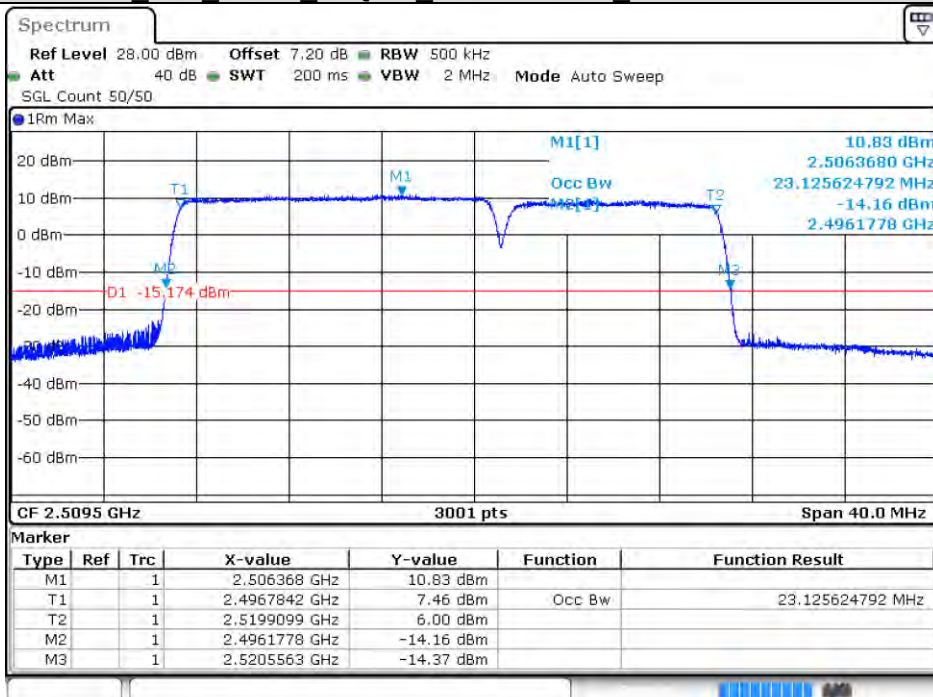


CA 41C 15+10 QPSK 41417+41537 75RB#0+50RB#0



Date: 14.APR.2021 20:24:03

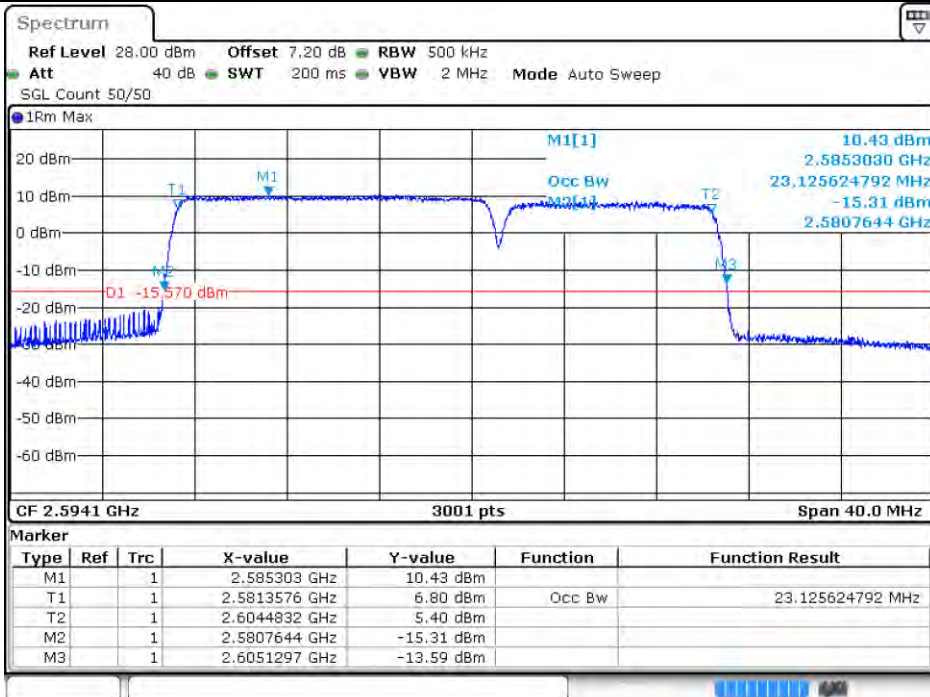
CA 41C 15+10 16QAM 39725+39845 75RB#0+50RB#0



Date: 14.APR.2021 20:22:21

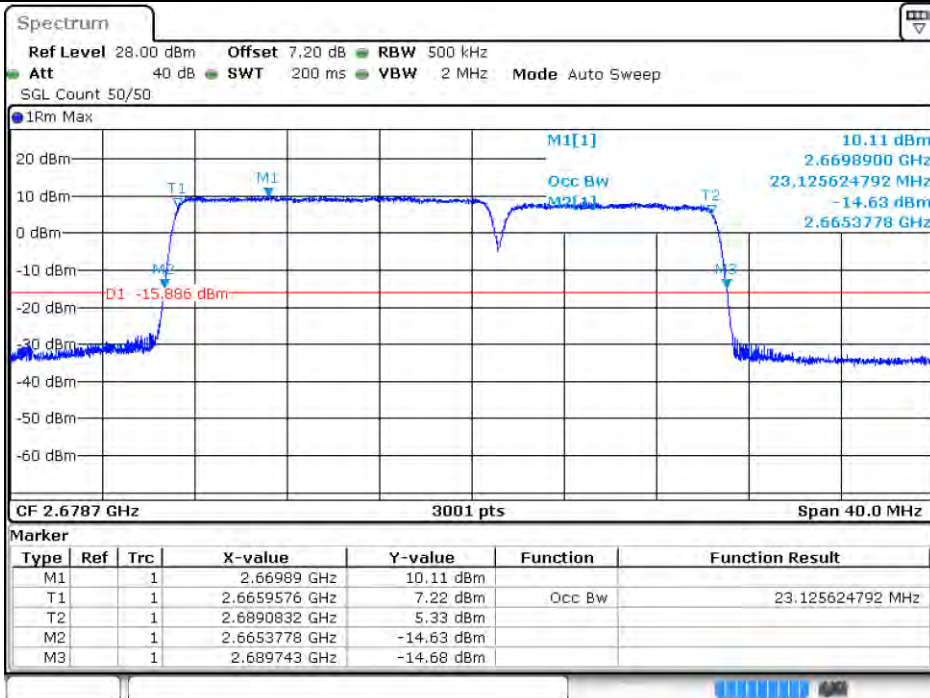


CA 41C 15+10 16QAM 40571+40691 75RB#0+50RB#0



Date: 14.APR.2021 20:23:16

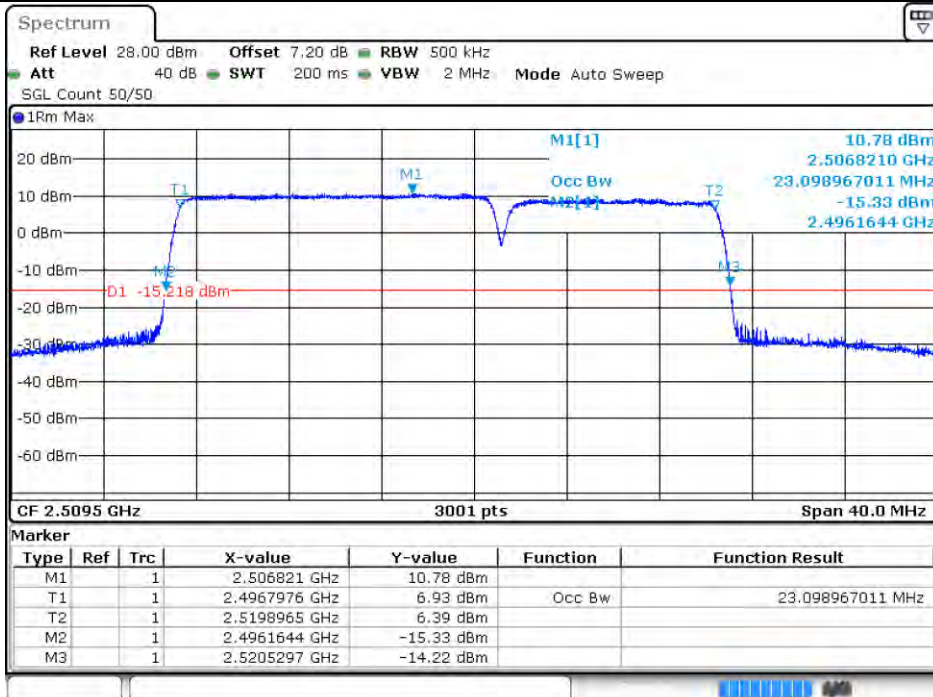
CA 41C 15+10 16QAM 41417+41537 75RB#0+50RB#0



Date: 14.APR.2021 20:24:20

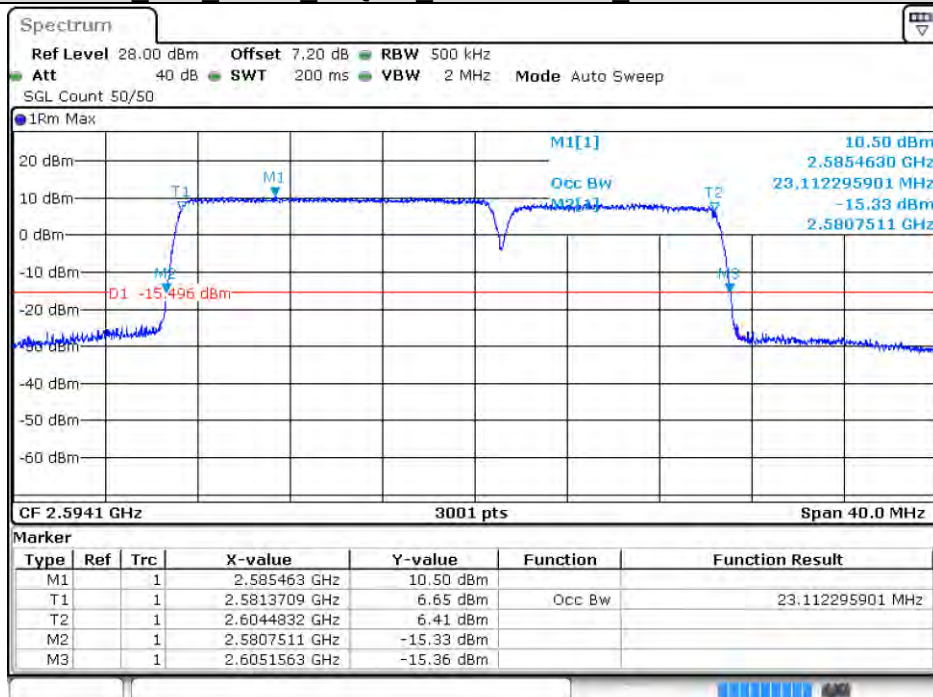


CA 41C 15+10 64QAM 39725+39845 75RB#0+50RB#0



Date: 14.APR.2021 20:22:37

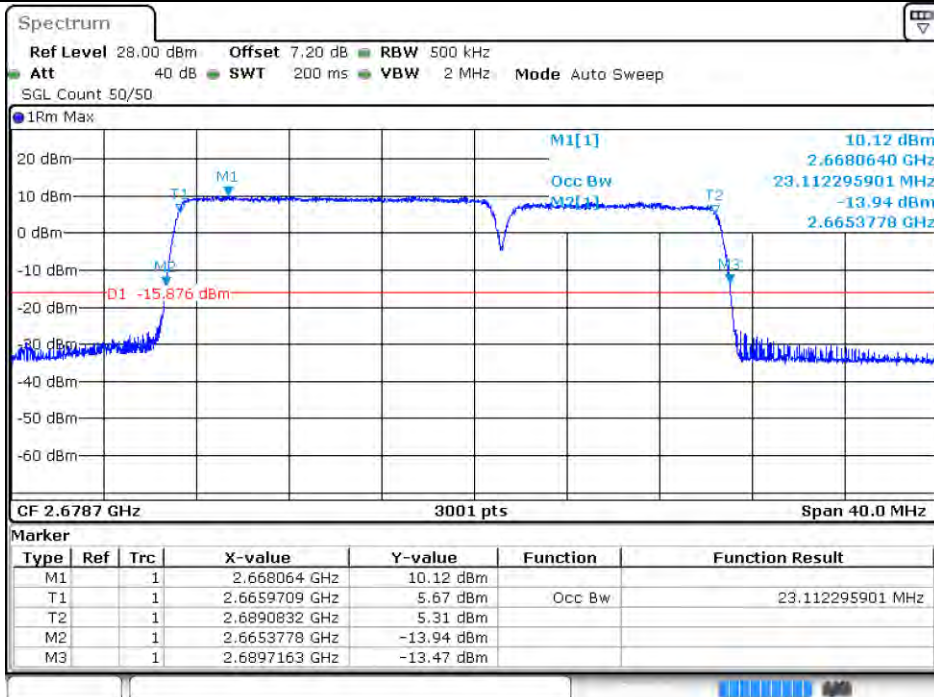
CA 41C 15+10 64QAM 40571+40691 75RB#0+50RB#0



Date: 14.APR.2021 20:23:33

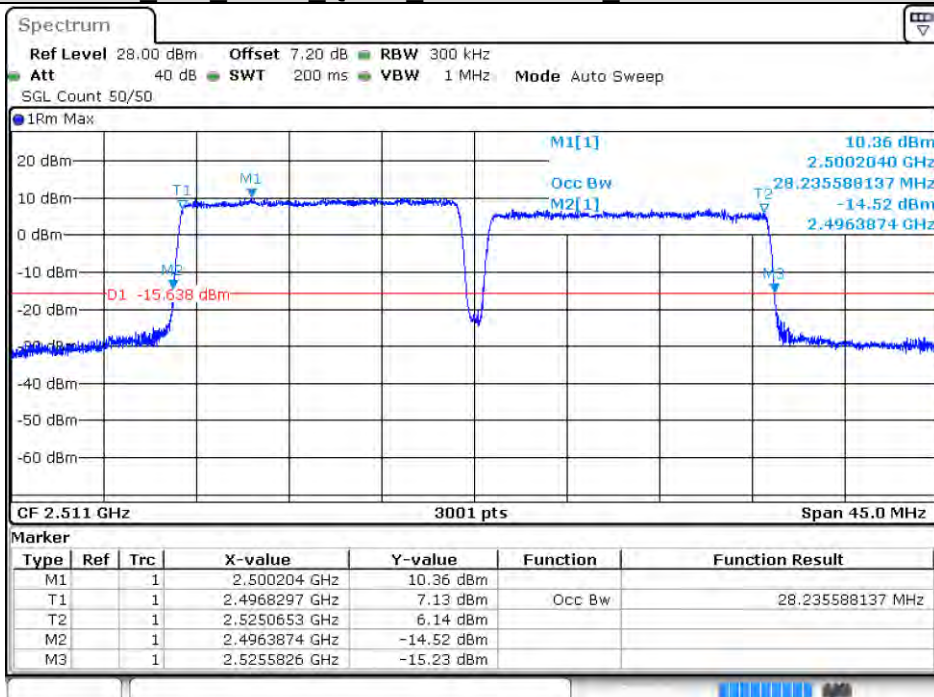


CA 41C 15+10 64QAM 41417+41537 75RB#0+50RB#0



Date: 14.APR.2021 20:24:37

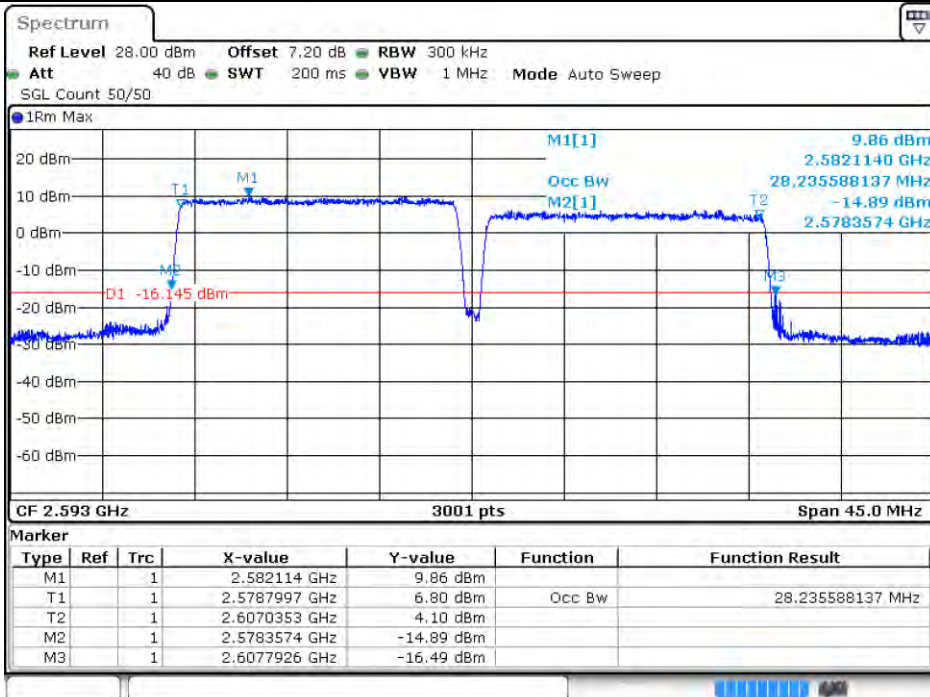
CA 41C 15+15 QPSK 39725+39875 75RB#0+75RB#0



Date: 14.APR.2021 20:51:32

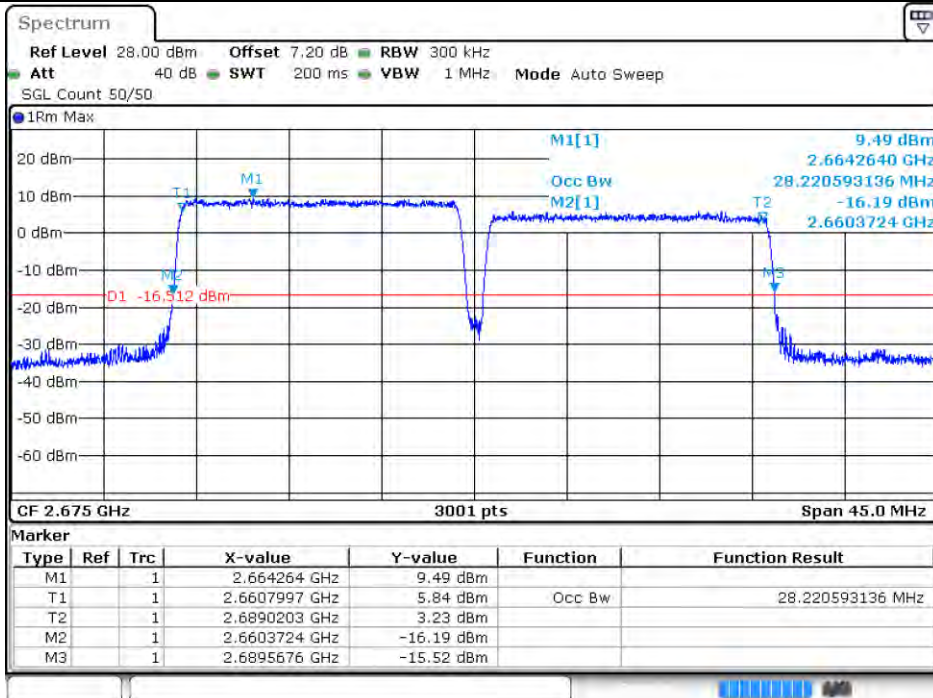


CA 41C 15+15 QPSK 40545+40695 75RB#0+75RB#0



Date: 14.APR.2021 20:52:26

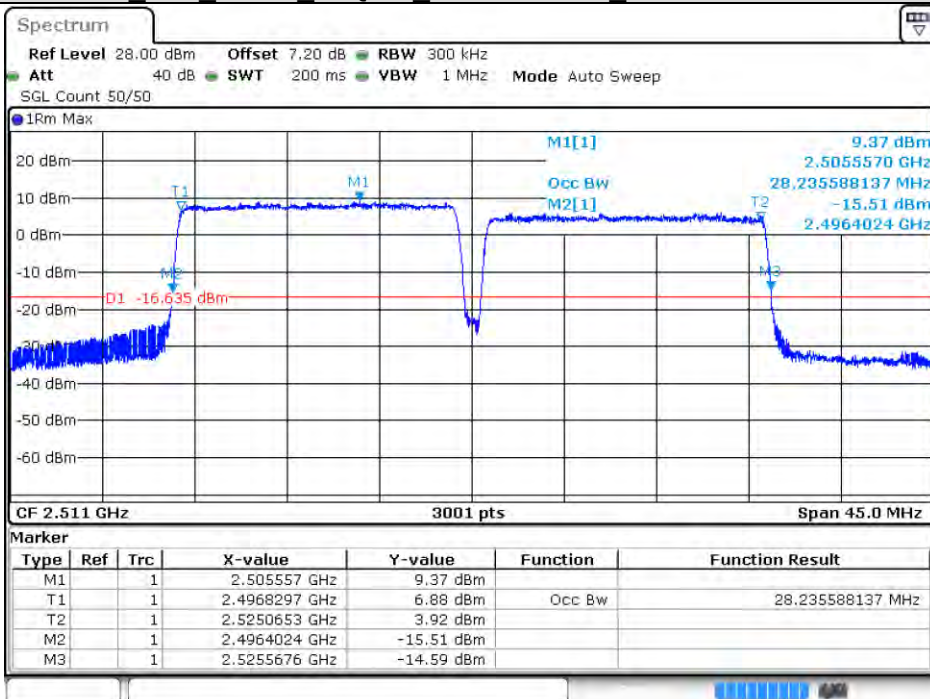
CA 41C 15+15 QPSK 41365+41515 75RB#0+75RB#0



Date: 14.APR.2021 20:53:27

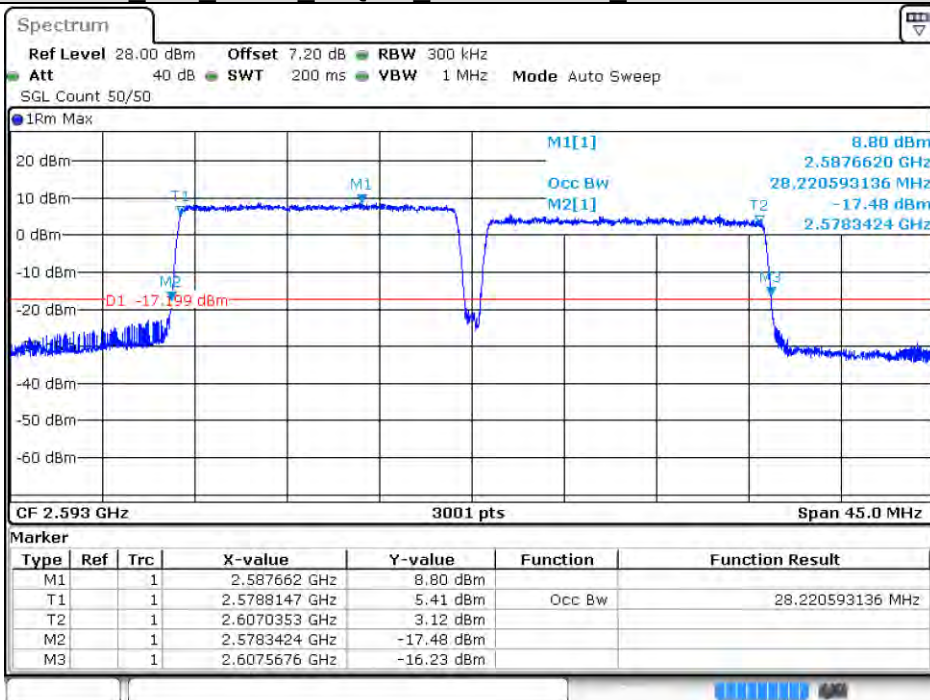


CA 41C 15+15 16QAM 39725+39875 75RB#0+75RB#0



Date: 14.APR.2021 20:51:48

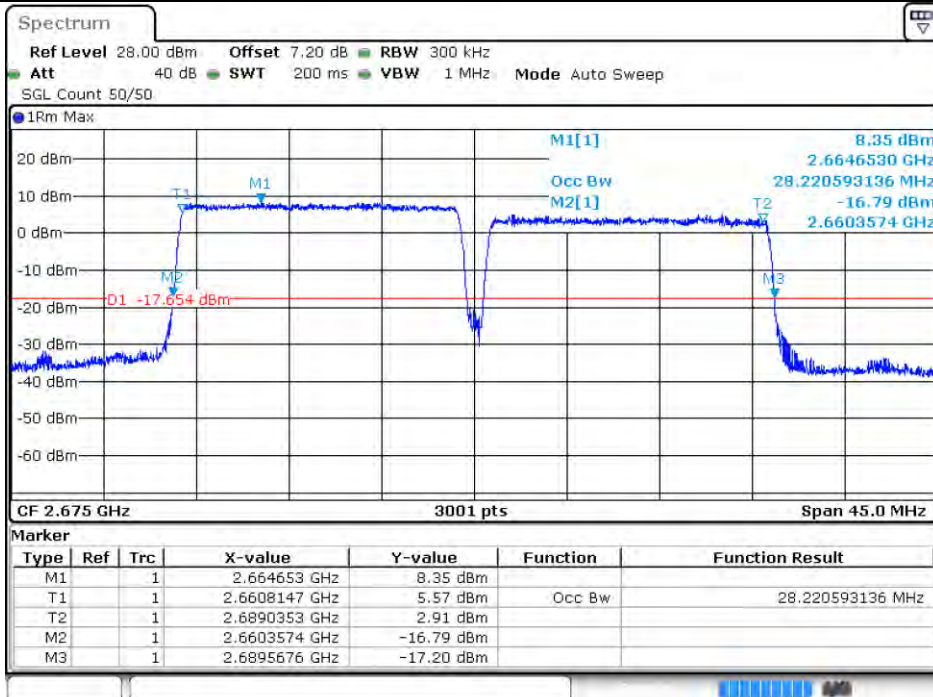
CA 41C 15+15 16QAM 40545+40695 75RB#0+75RB#0



Date: 14.APR.2021 20:52:42

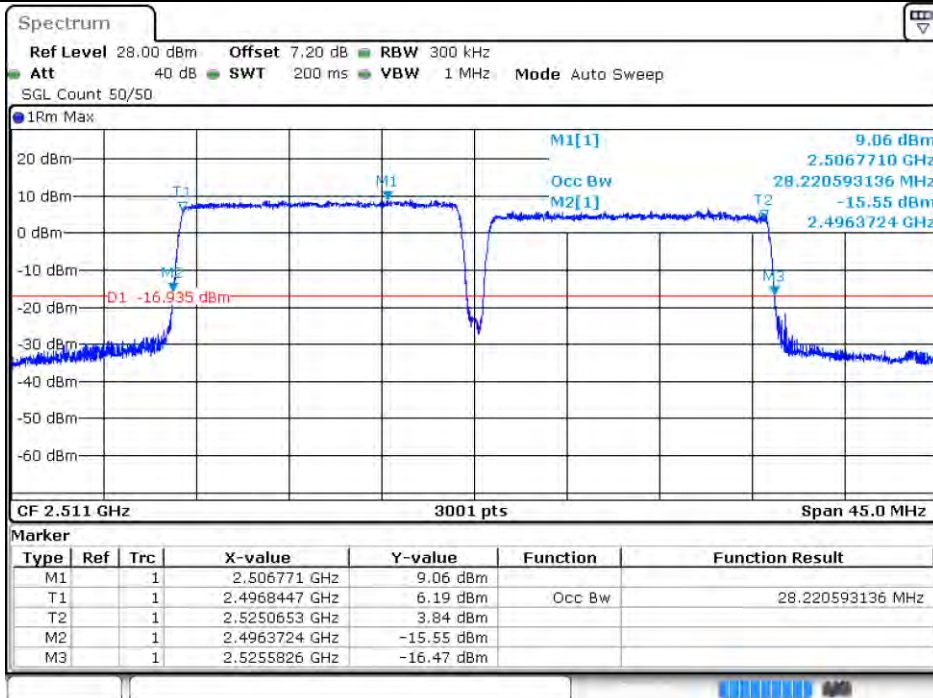


CA 41C 15+15 16QAM 41365+41515 75RB#0+75RB#0



Date: 14.APR.2021 20:53:43

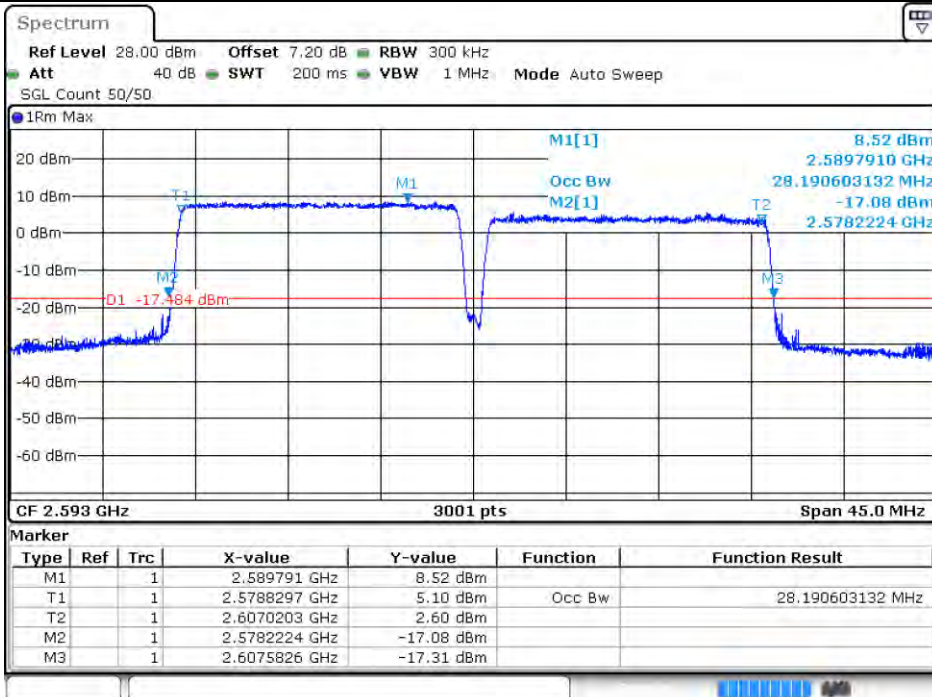
CA 41C 15+15 64QAM 39725+39875 75RB#0+75RB#0



Date: 14.APR.2021 20:52:04

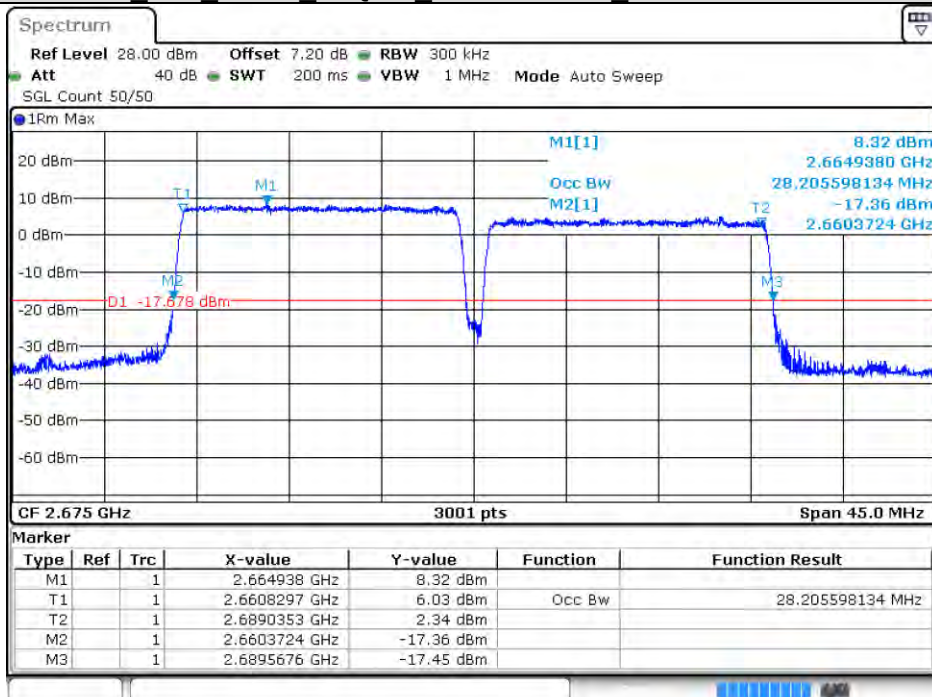


CA 41C 15+15 64QAM 40545+40695 75RB#0+75RB#0



Date: 14.APR.2021 20:52:58

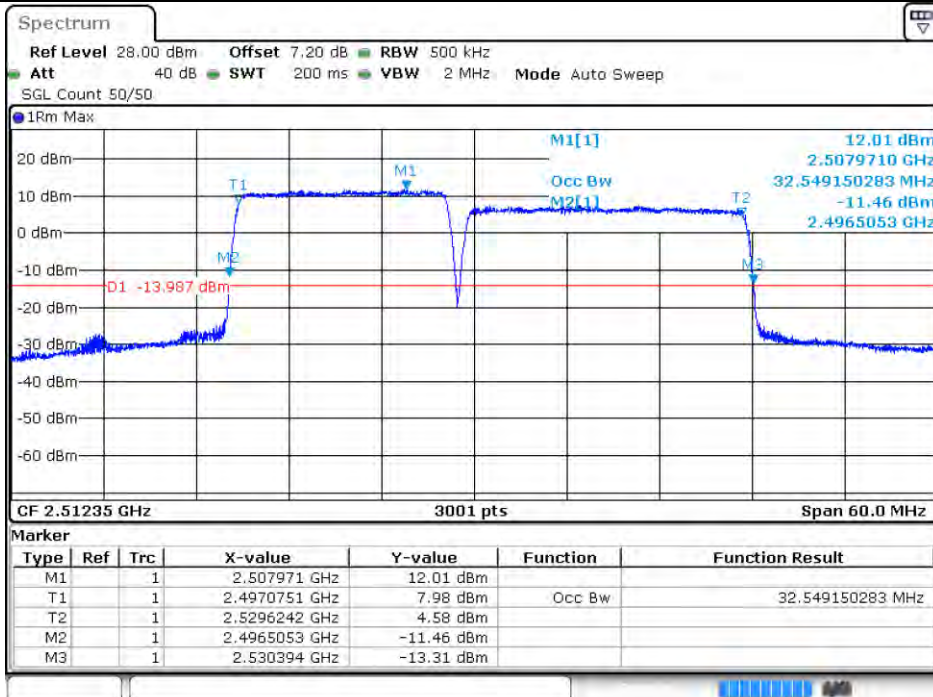
CA 41C 15+15 64QAM 41365+41515 75RB#0+75RB#0



Date: 14.APR.2021 20:54:00

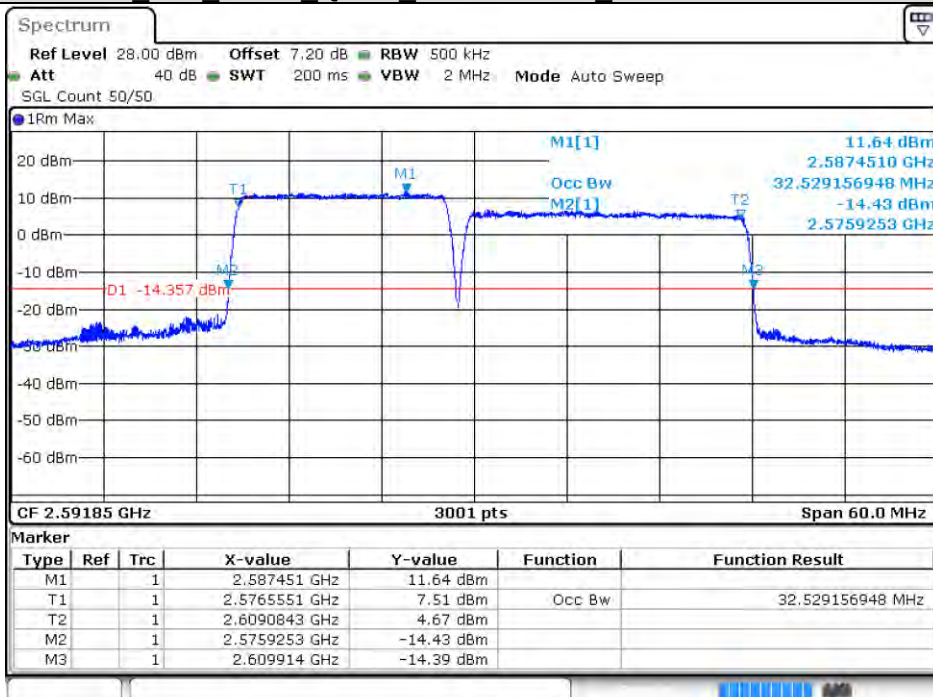


CA 41C 15+20 QPSK 39728+39899 75RB#0+100RB#0



Date: 14.APR.2021 20:54:43

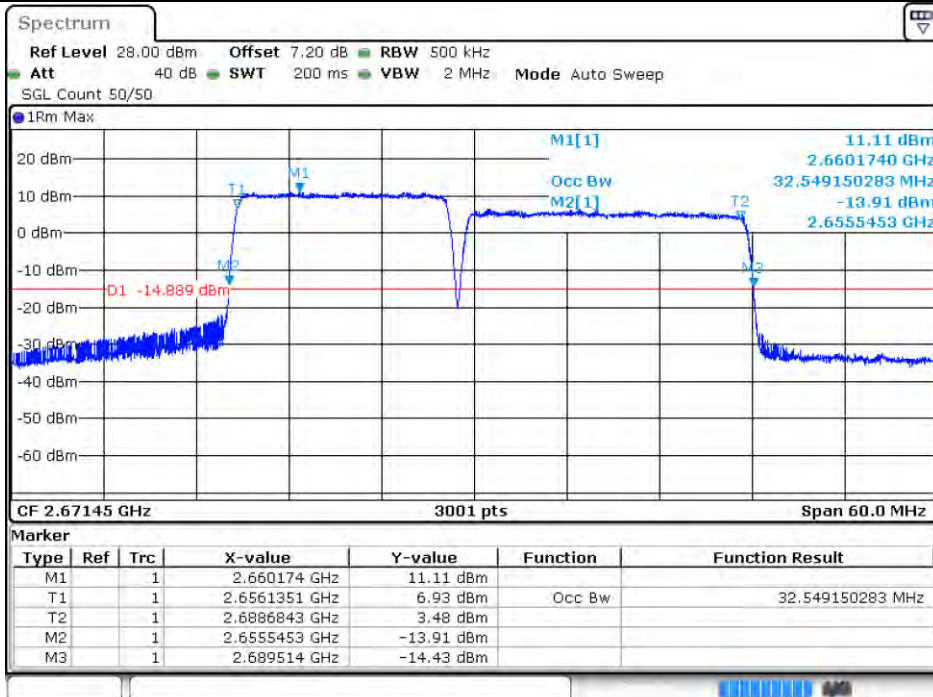
CA 41C 15+20 QPSK 40523+40694 75RB#0+100RB#0



Date: 14.APR.2021 20:55:41

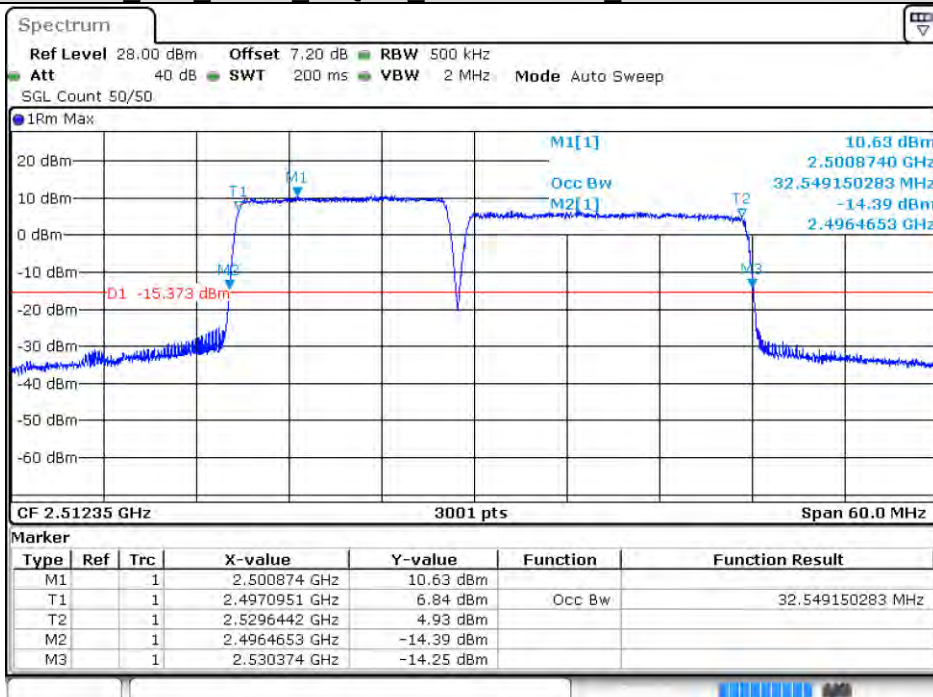


CA 41C 15+20 QPSK 41319+41490 75RB#0+100RB#0



Date: 14.APR.2021 20:56:45

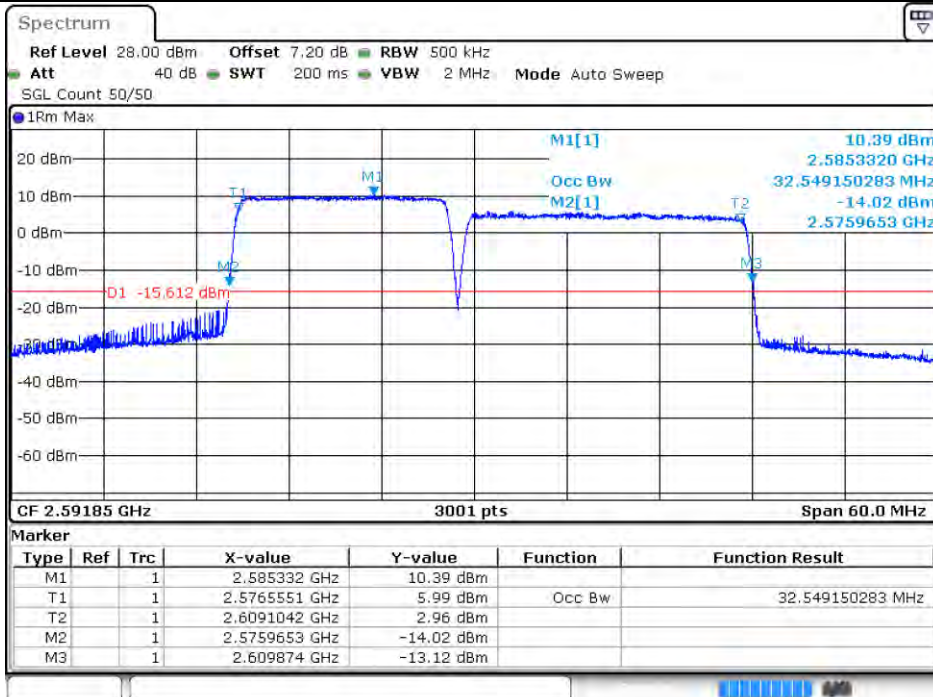
CA 41C 15+20 16QAM 39728+39899 75RB#0+100RB#0



Date: 14.APR.2021 20:55:00

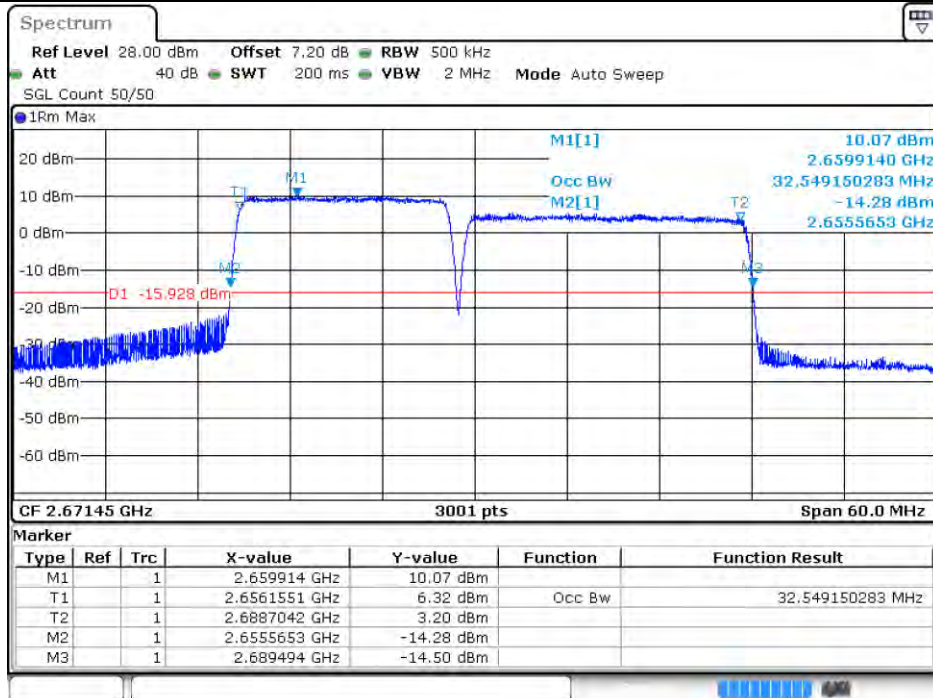


CA 41C 15+20 16QAM 40523+40694 75RB#0+100RB#0



Date: 14.APR.2021 20:55:58

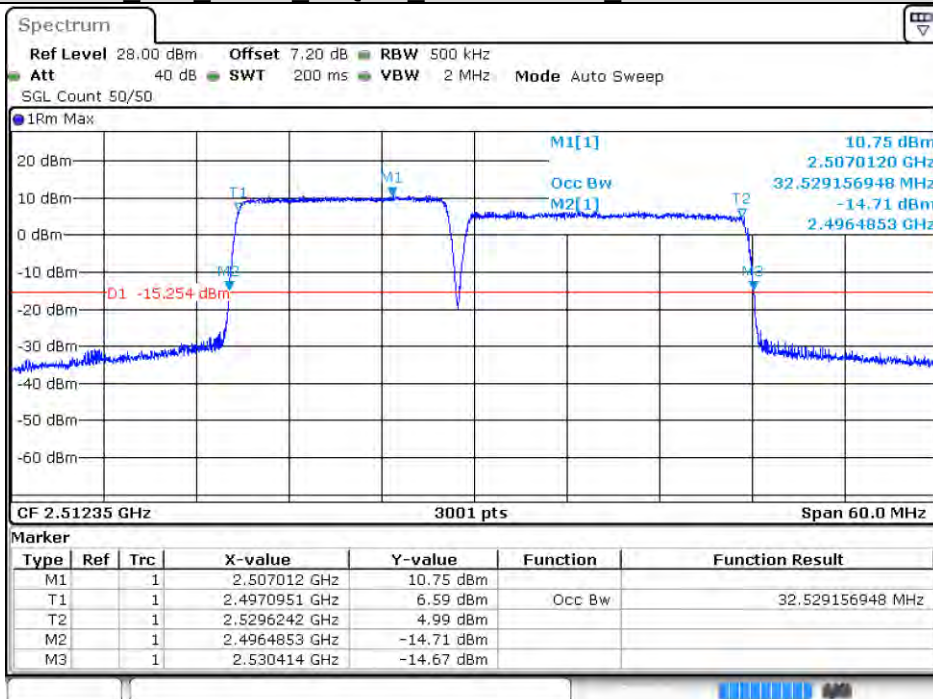
CA 41C 15+20 16QAM 41319+41490 75RB#0+100RB#0



Date: 14.APR.2021 20:57:02

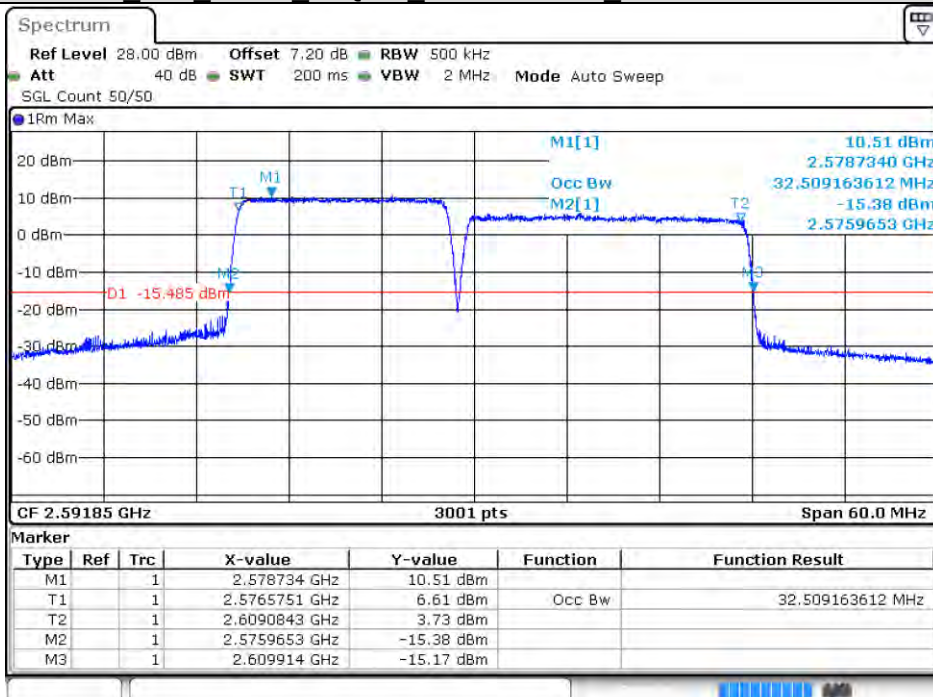


CA 41C 15+20 64QAM 39728+39899 75RB#0+100RB#0



Date: 14.APR.2021 20:55:17

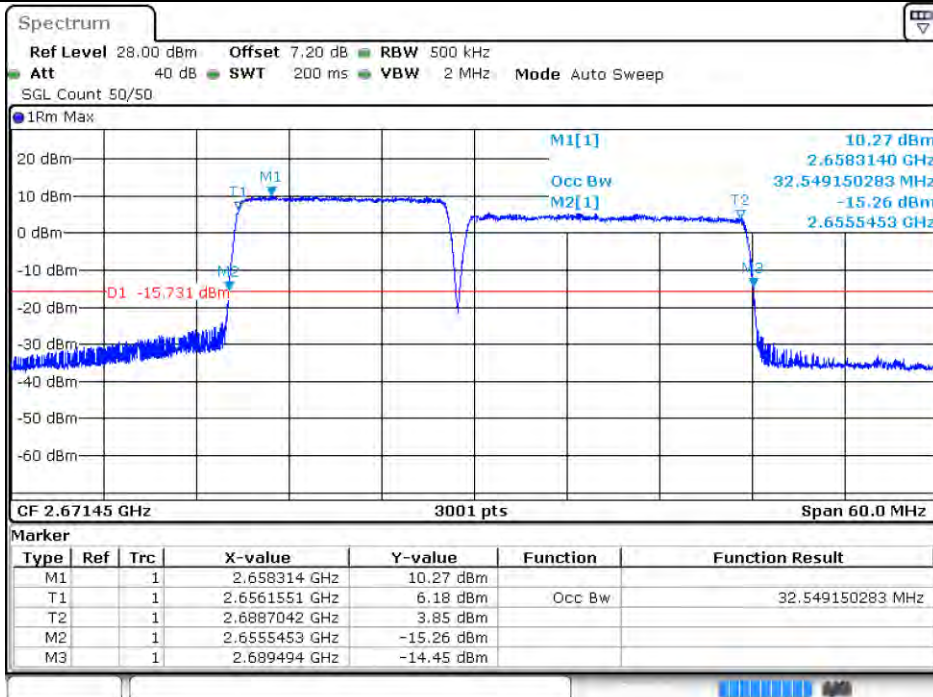
CA 41C 15+20 64QAM 40523+40694 75RB#0+100RB#0



Date: 14.APR.2021 20:56:15

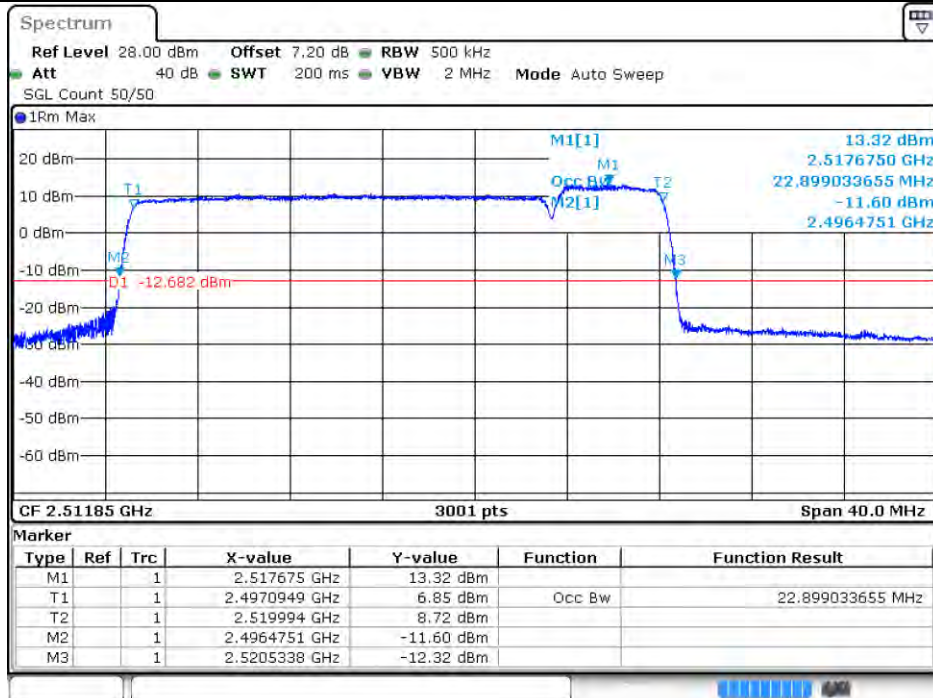


CA 41C 15+20 64QAM 41319+41490 75RB#0+100RB#0



Date: 14.APR.2021 20:57:20

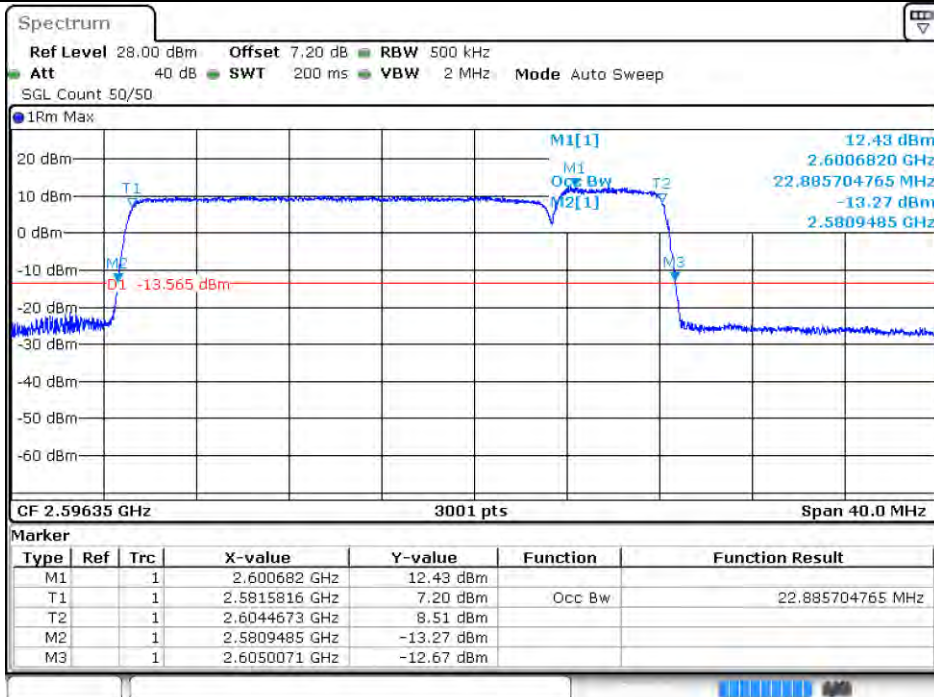
CA 41C 20+5 QPSK 39800+39683 100RB#0+25RB#0



Date: 14.APR.2021 20:12:33

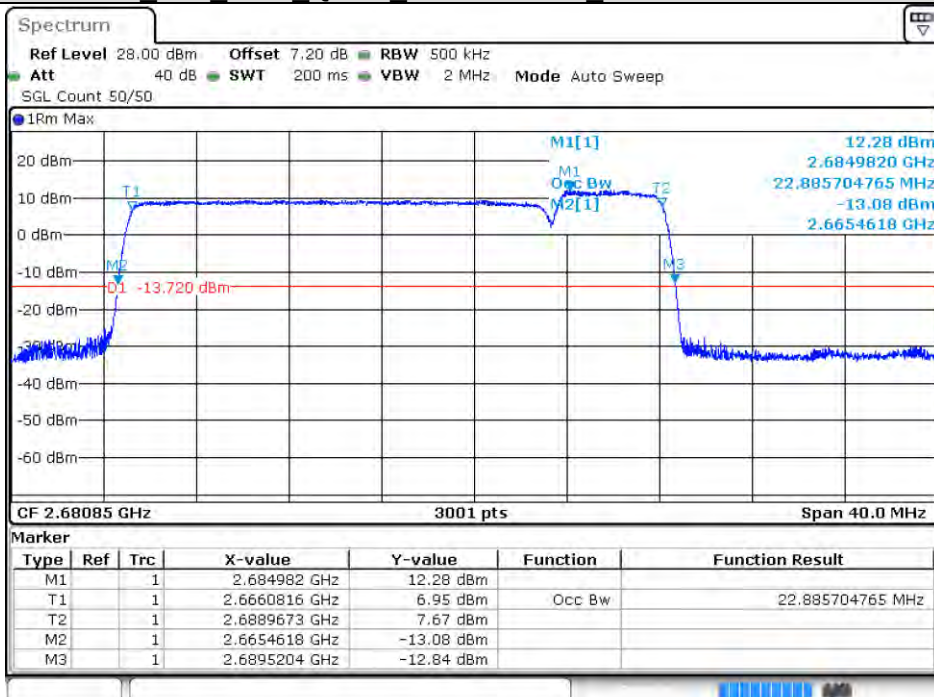


CA 41C 20+5 QPSK 40645+40528 100RB#0+25RB#0



Date: 14.APR.2021 20:13:30

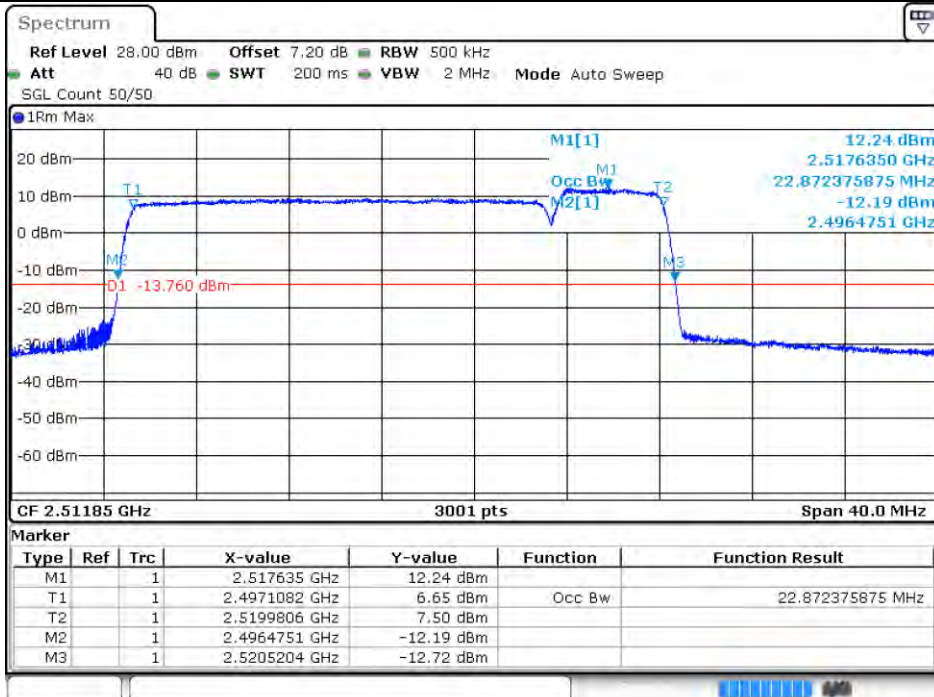
CA 41C 20+5 QPSK 41490+41373 100RB#0+25RB#0



Date: 14.APR.2021 20:14:26

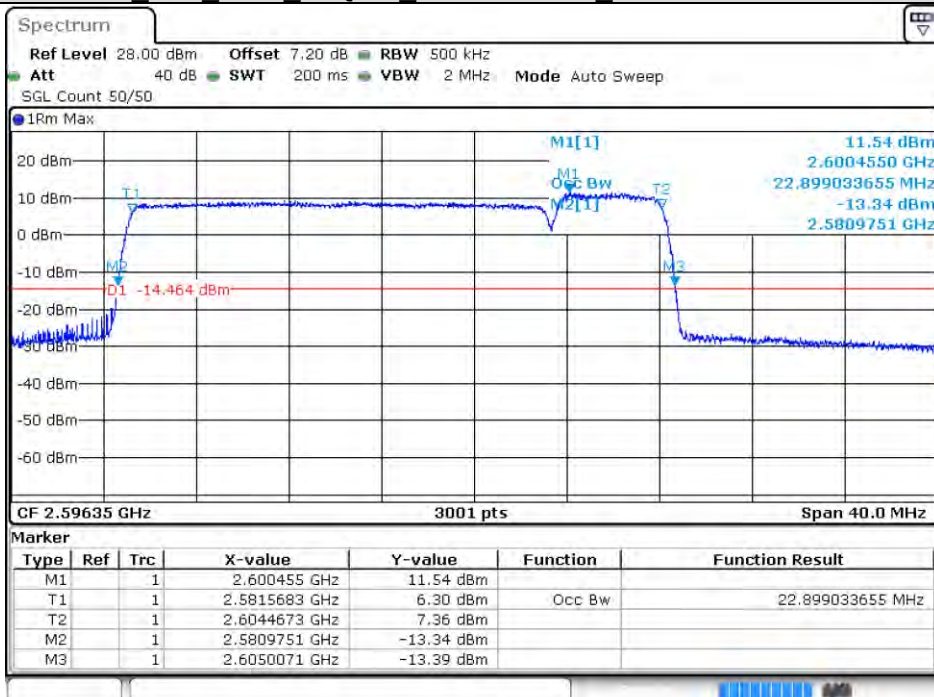


CA 41C 20+5 16QAM 39800+39683 100RB#0+25RB#0



Date: 14.APR.2021 20:12:49

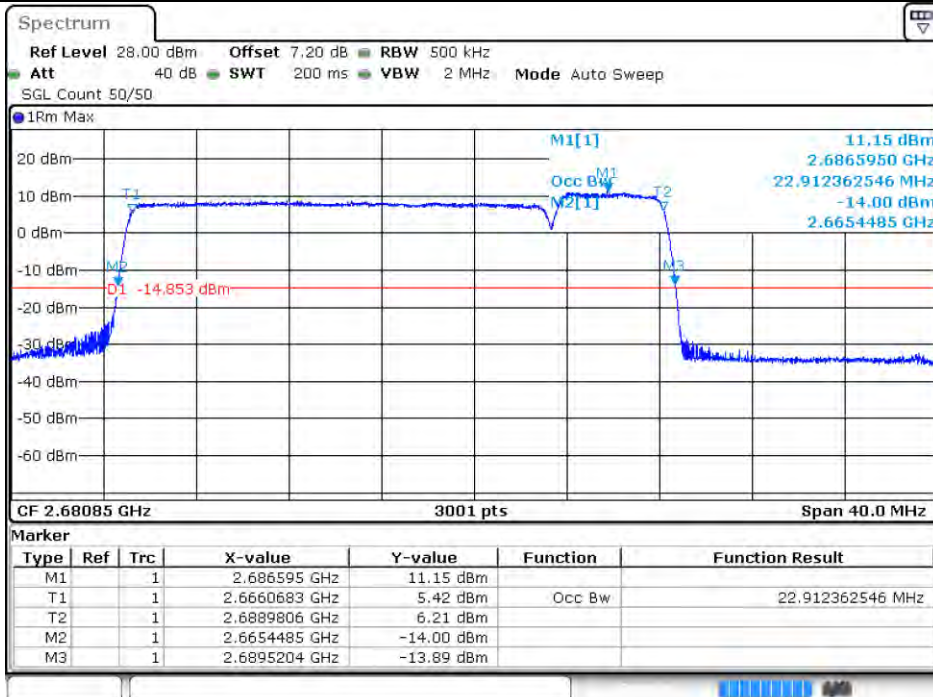
CA 41C 20+5 16QAM 40645+40528 100RB#0+25RB#0



Date: 14.APR.2021 20:13:46

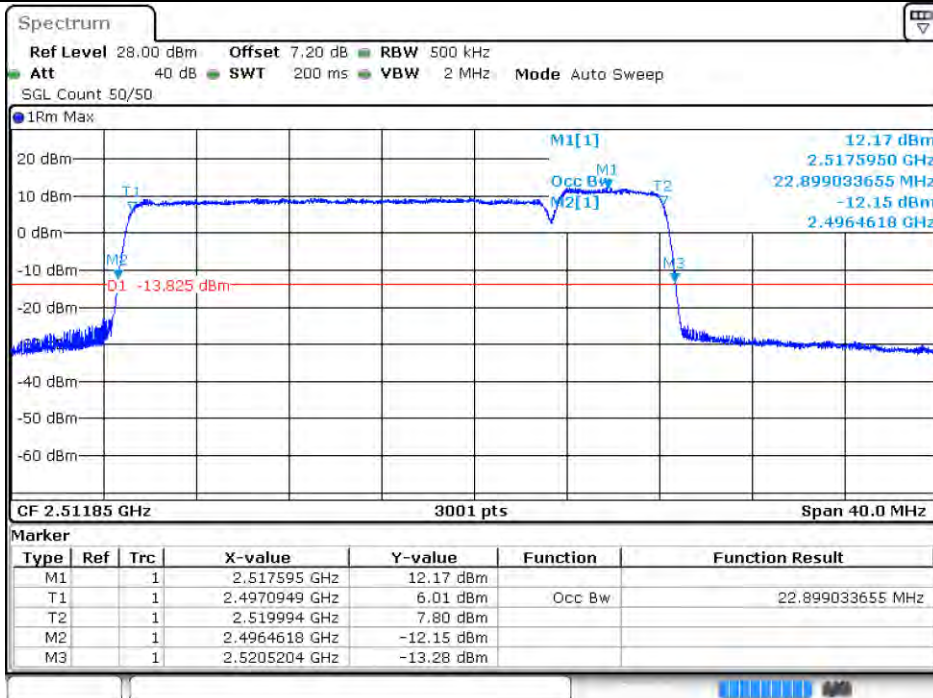


CA 41C 20+5 16QAM 41490+41373 100RB#0+25RB#0



Date: 14.APR.2021 20:14:43

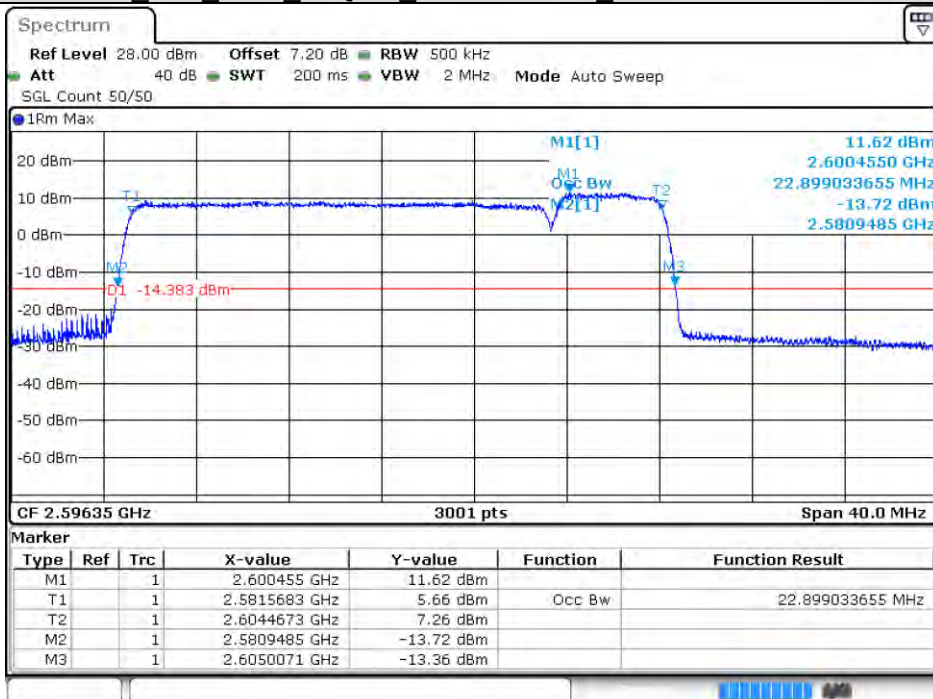
CA 41C 20+5 64QAM 39800+39683 100RB#0+25RB#0



Date: 14.APR.2021 20:13:07

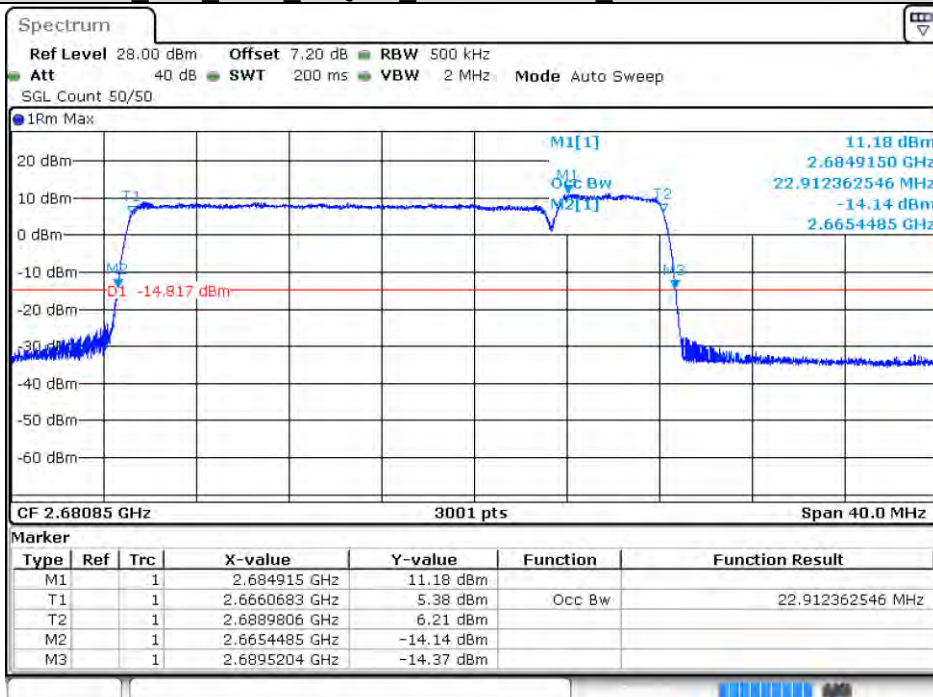


CA 41C 20+5 64QAM 40645+40528 100RB#0+25RB#0



Date: 14.APR.2021 20:14:03

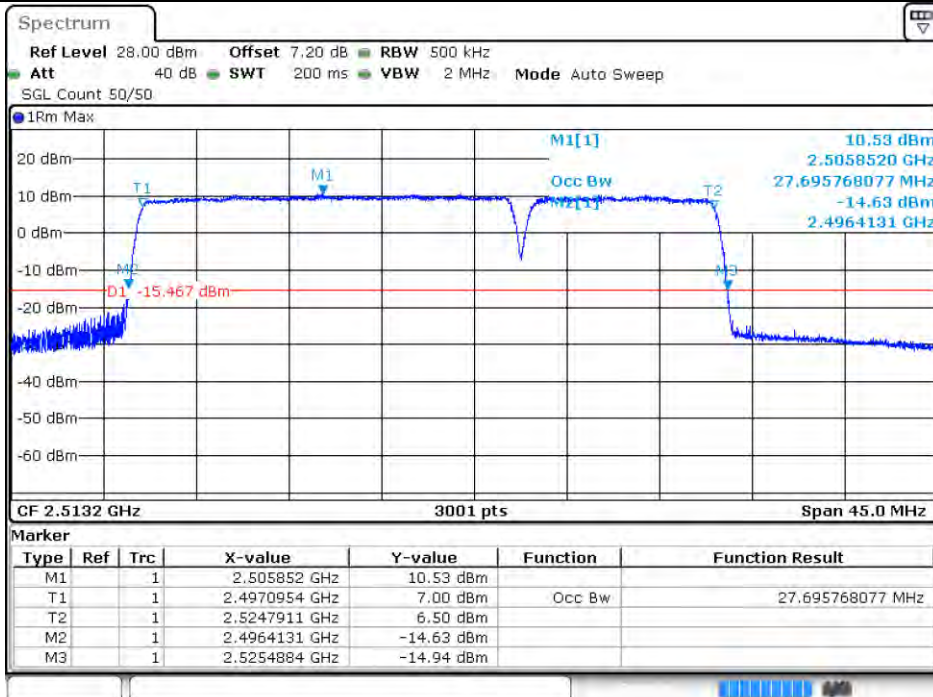
CA 41C 20+5 64QAM 41490+41373 100RB#0+25RB#0



Date: 14.APR.2021 20:15:00

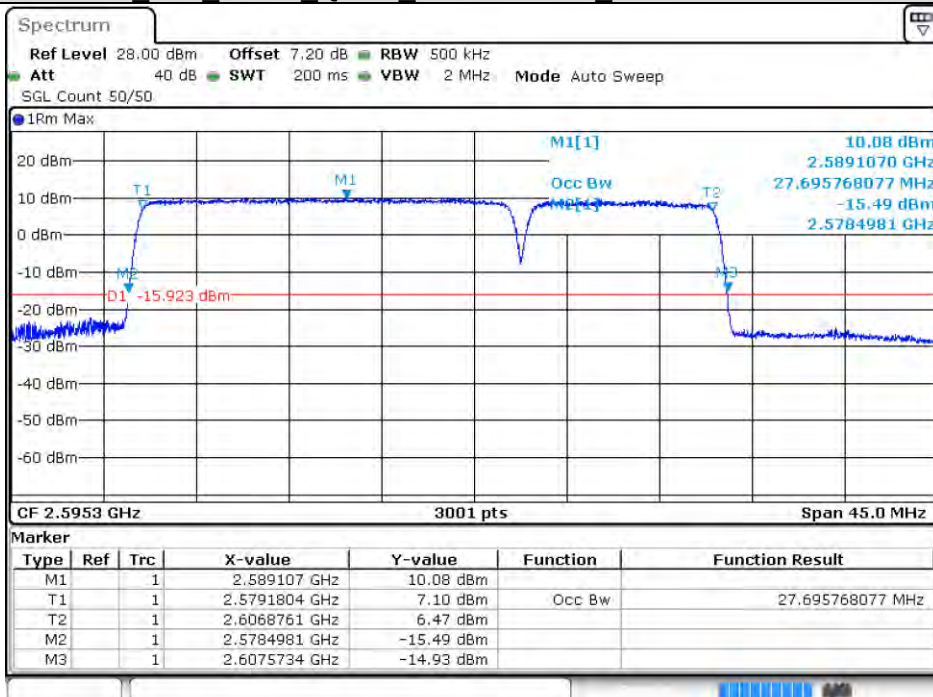


CA 41C 20+10 QPSK 39750+39894 100RB#0+50RB#0



Date: 14.APR.2021 20:48:12

CA 41C 20+10 QPSK 40571+40715 100RB#0+50RB#0



Date: 14.APR.2021 20:49:15

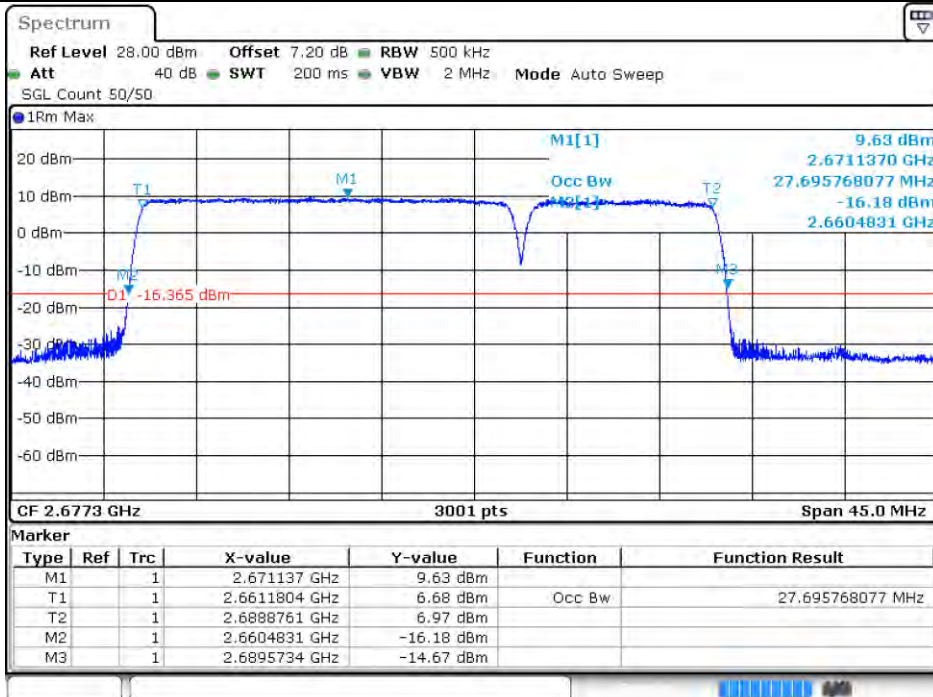


SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

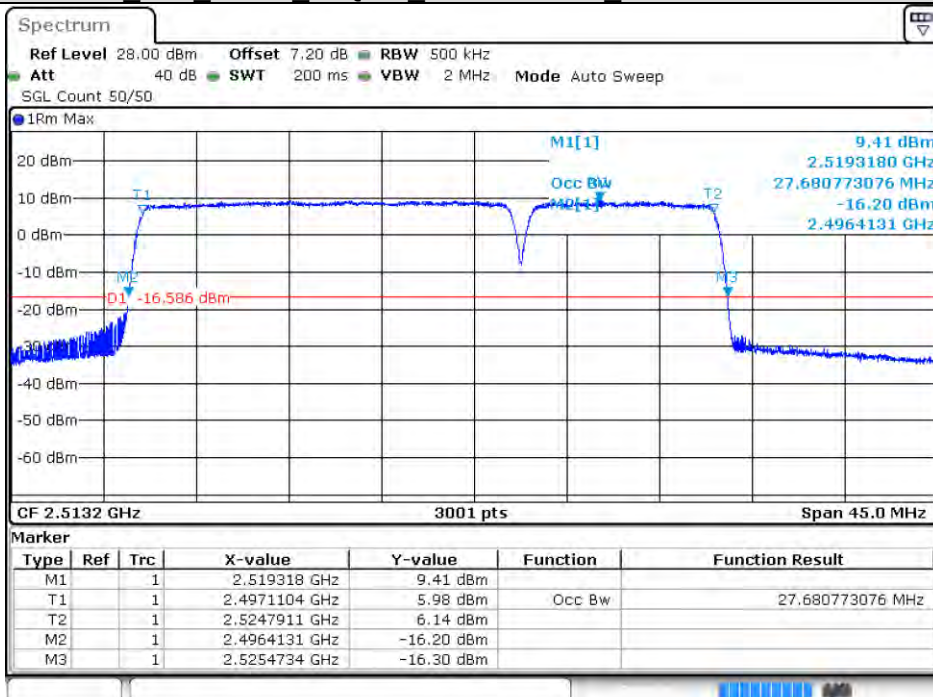
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA 41C 20+10 QPSK 41391+41535 100RB#0+50RB#0



Date: 14.APR.2021 20:50:17

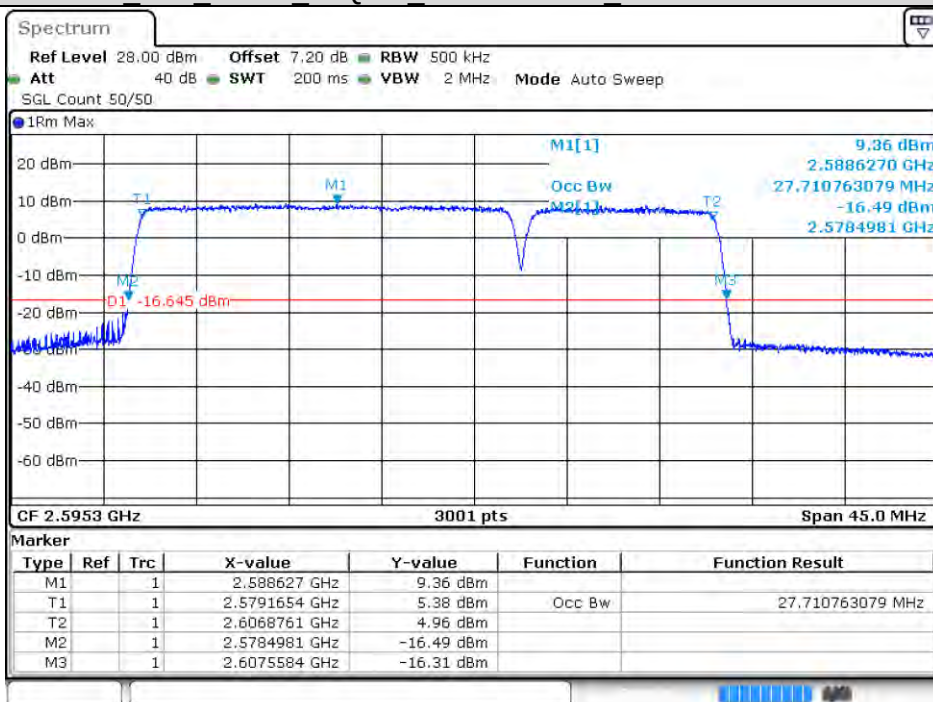
CA 41C 20+10 16QAM 39750+39894 100RB#0+50RB#0



Date: 14.APR.2021 20:48:28

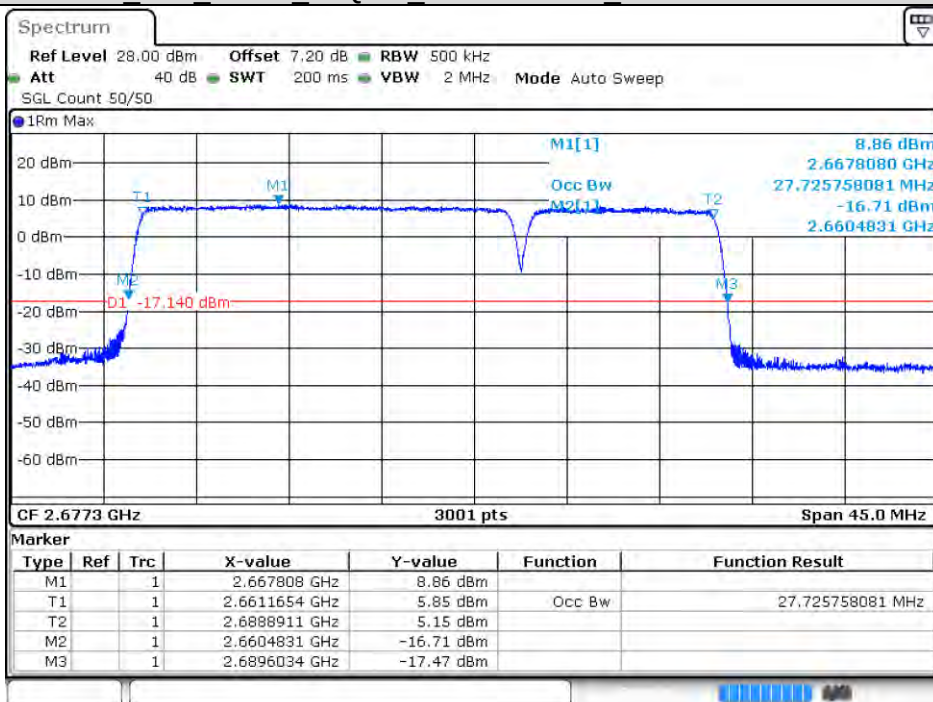


CA 41C 20+10 16QAM 40571+40715 100RB#0+50RB#0



Date: 14.APR.2021 20:49:31

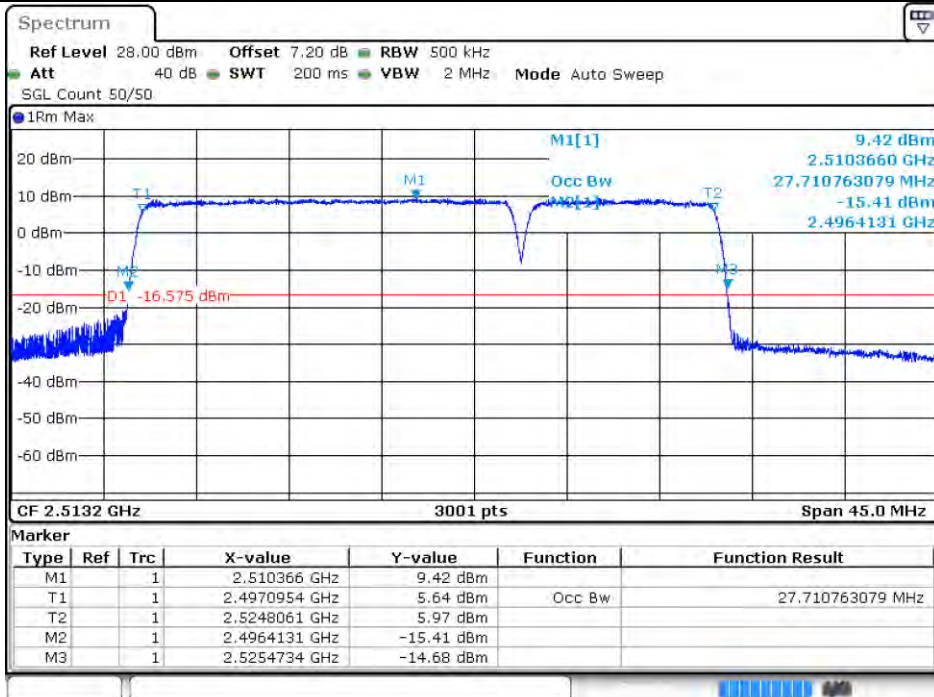
CA 41C 20+10 16QAM 41391+41535 100RB#0+50RB#0



Date: 14.APR.2021 20:50:33

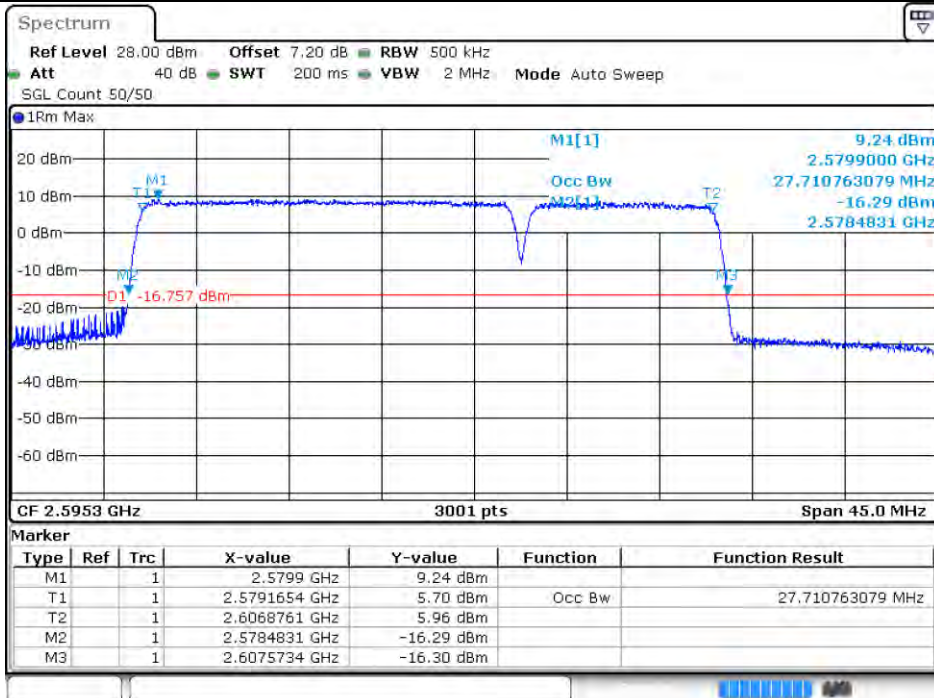


CA 41C 20+10 64QAM 39750+39894 100RB#0+50RB#0



Date: 14.APR.2021 20:48:45

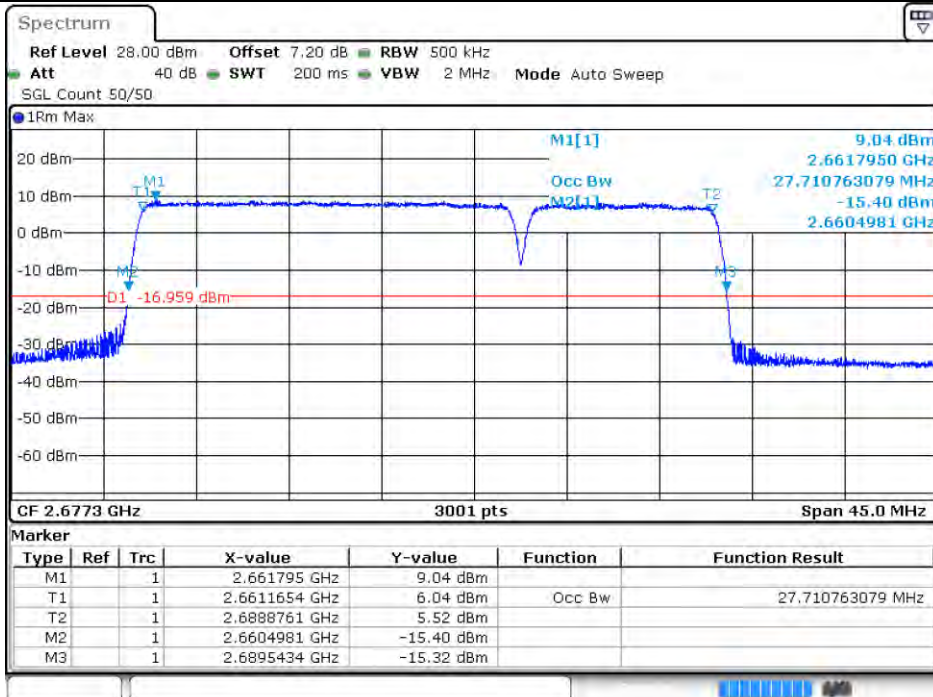
CA 41C 20+10 64QAM 40571+40715 100RB#0+50RB#0



Date: 14.APR.2021 20:49:47

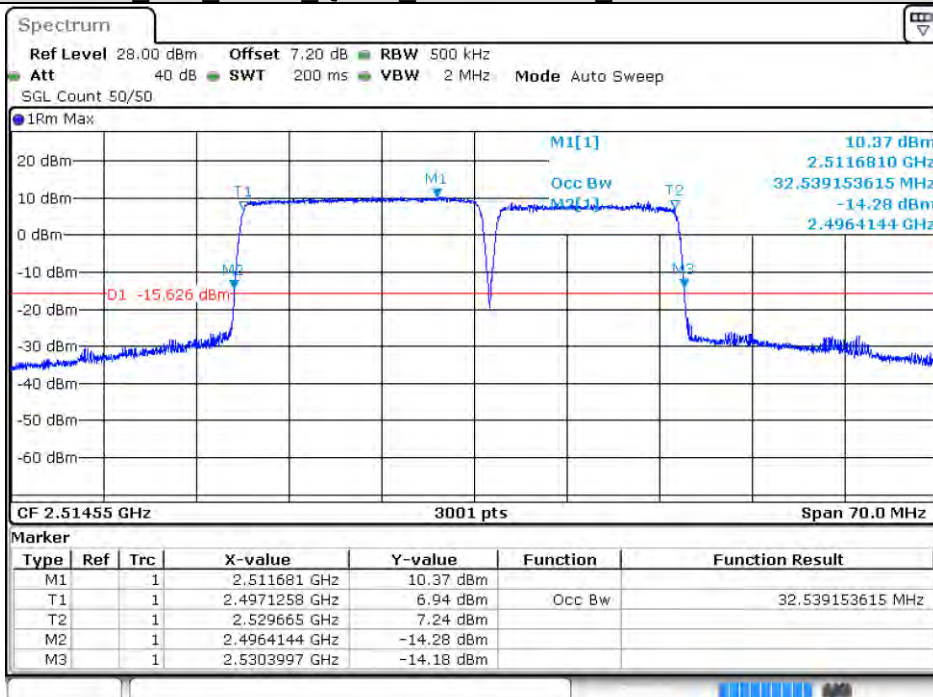


CA 41C 20+10 64QAM 41391+41535 100RB#0+50RB#0



Date: 14.APR.2021 20:50:50

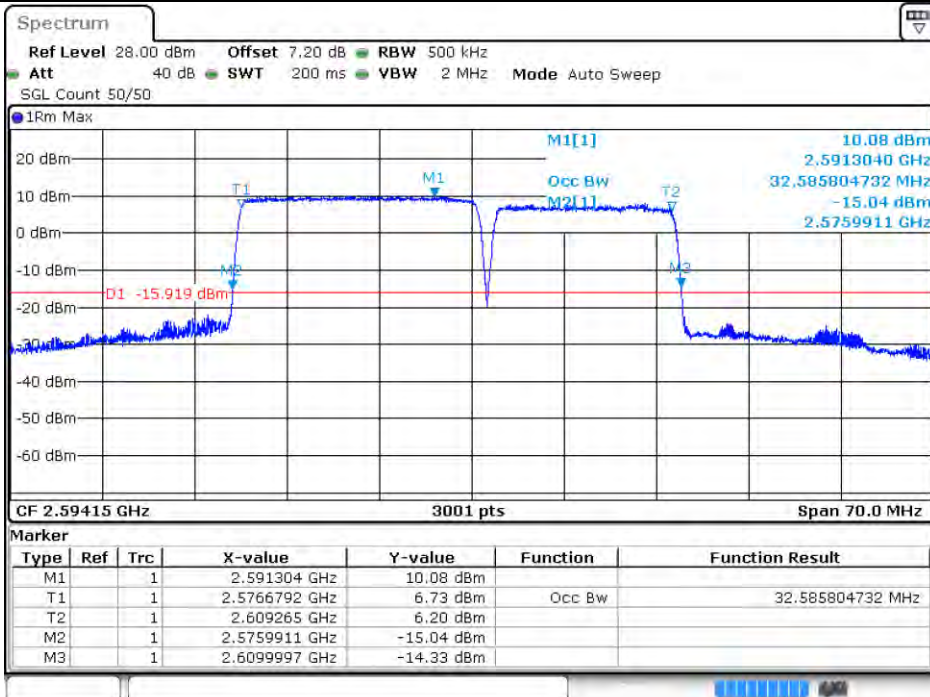
CA 41C 20+15 QPSK 39750+39921 100RB#0+75RB#0



Date: 14.APR.2021 20:58:05

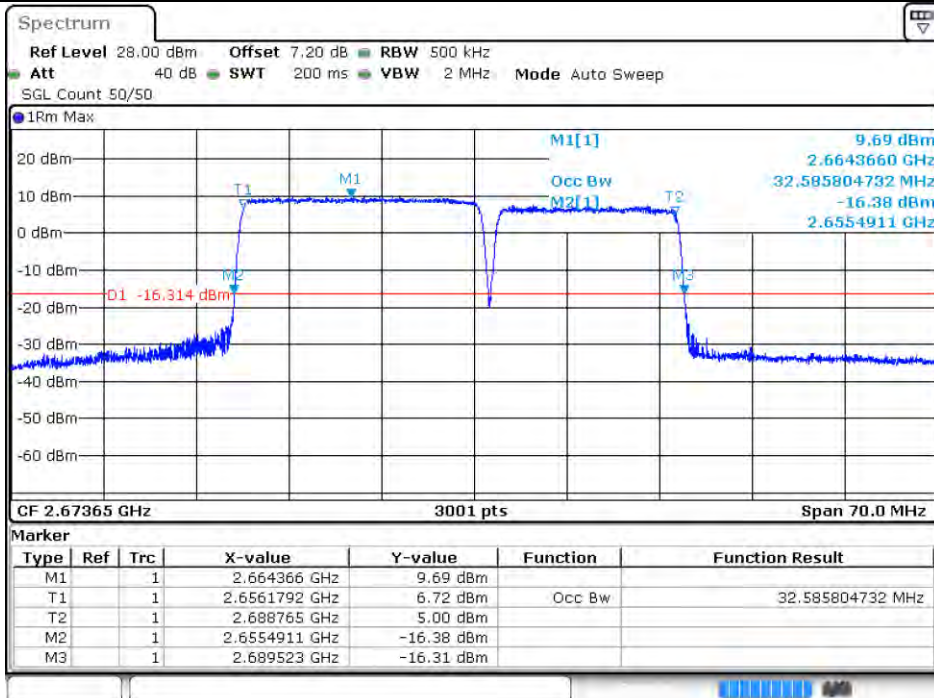


CA 41C 20+15 QPSK 40546+40717 100RB#0+75RB#0



Date: 14.APR.2021 20:59:04

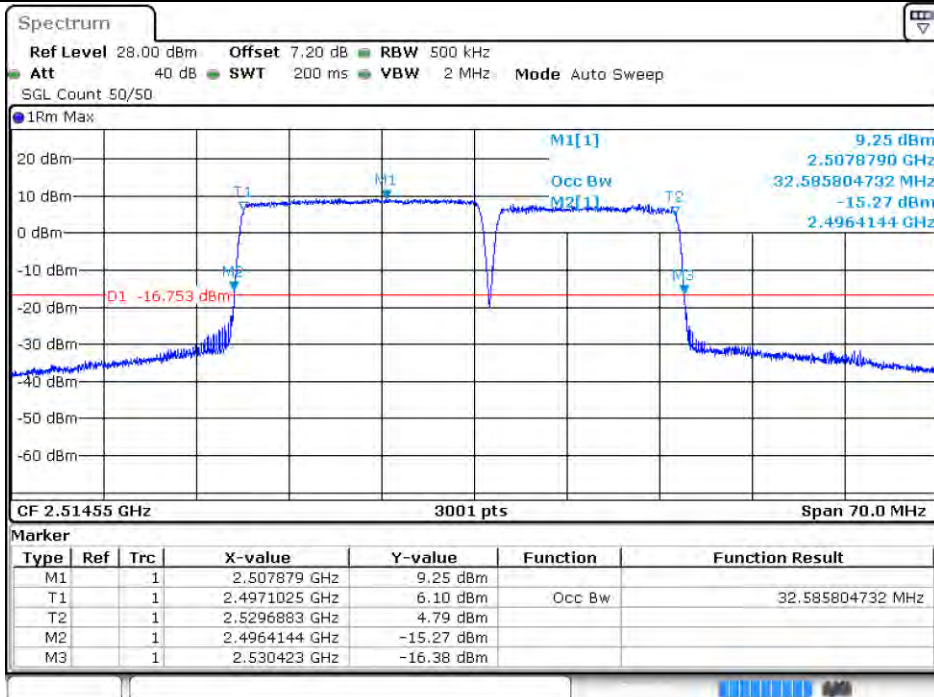
CA 41C 20+15 QPSK 41341+41512 100RB#0+75RB#0



Date: 14.APR.2021 21:00:13

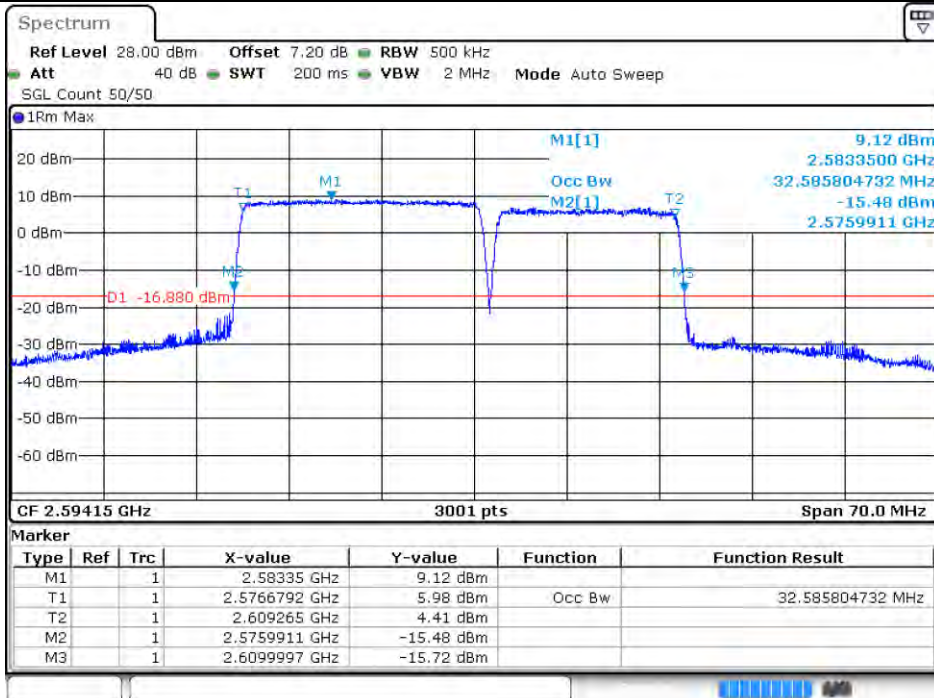


CA 41C 20+15 16QAM 39750+39921 100RB#0+75RB#0



Date: 14.APR.2021 20:58:23

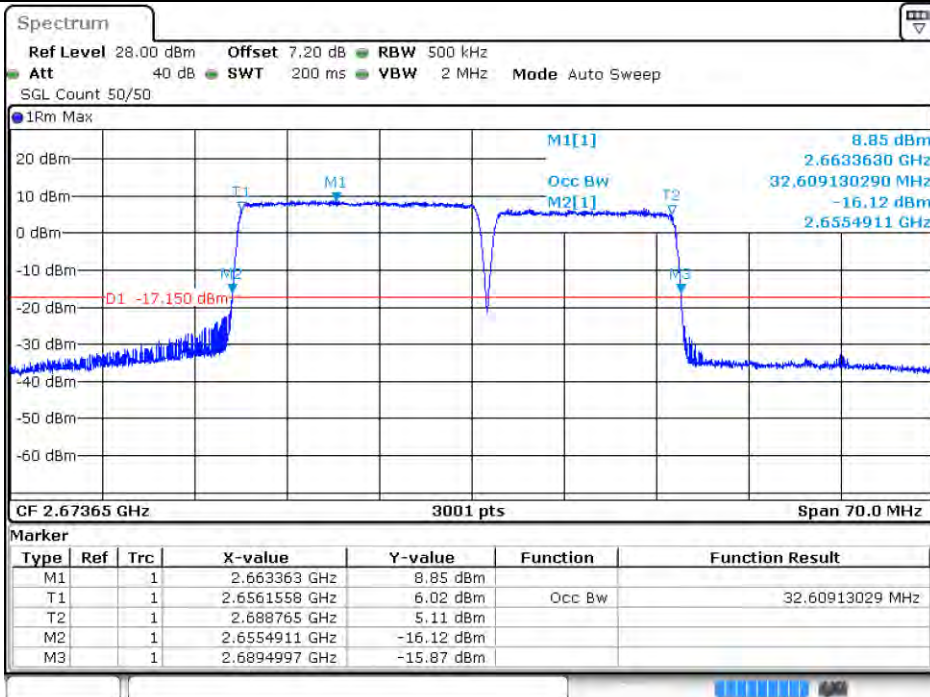
CA 41C 20+15 16QAM 40546+40717 100RB#0+75RB#0



Date: 14.APR.2021 20:59:24

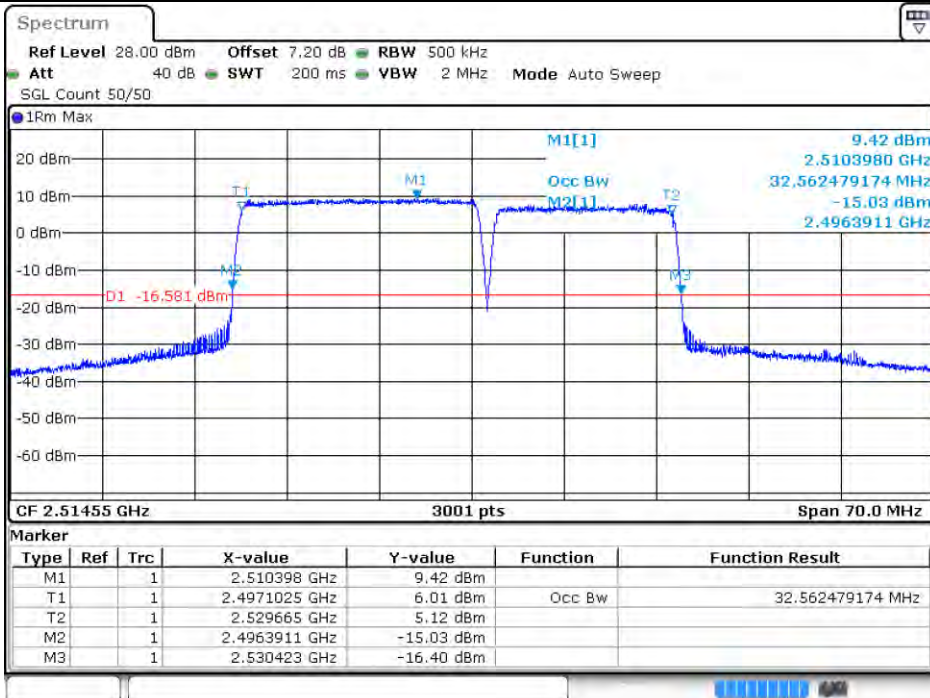


CA 41C 20+15 16QAM 41341+41512 100RB#0+75RB#0



Date: 14.APR.2021 21:00:31

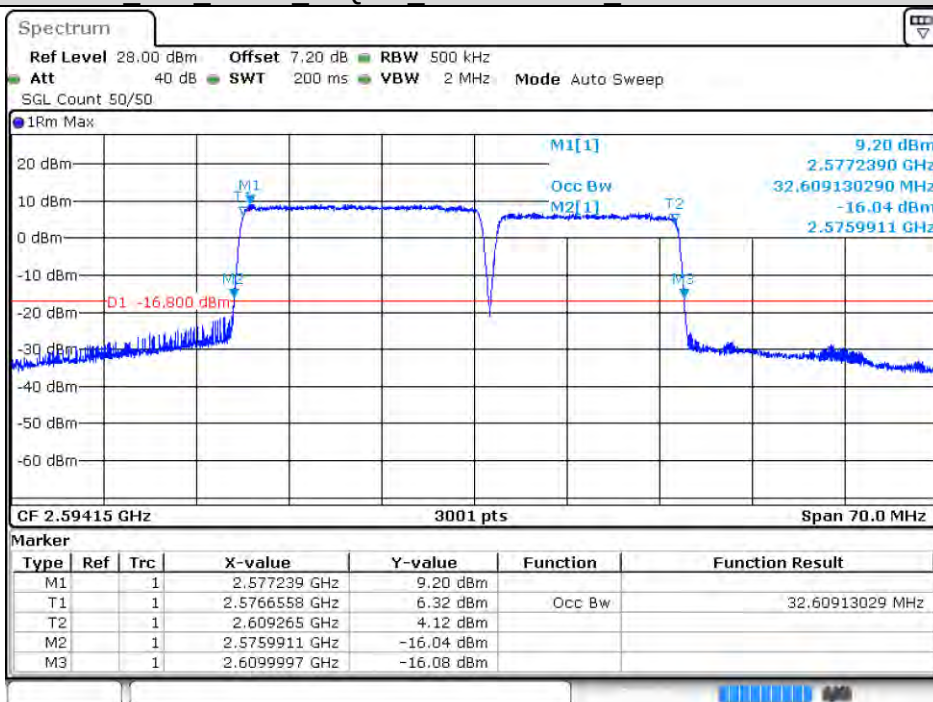
CA 41C 20+15 64QAM 39750+39921 100RB#0+75RB#0



Date: 14.APR.2021 20:58:41

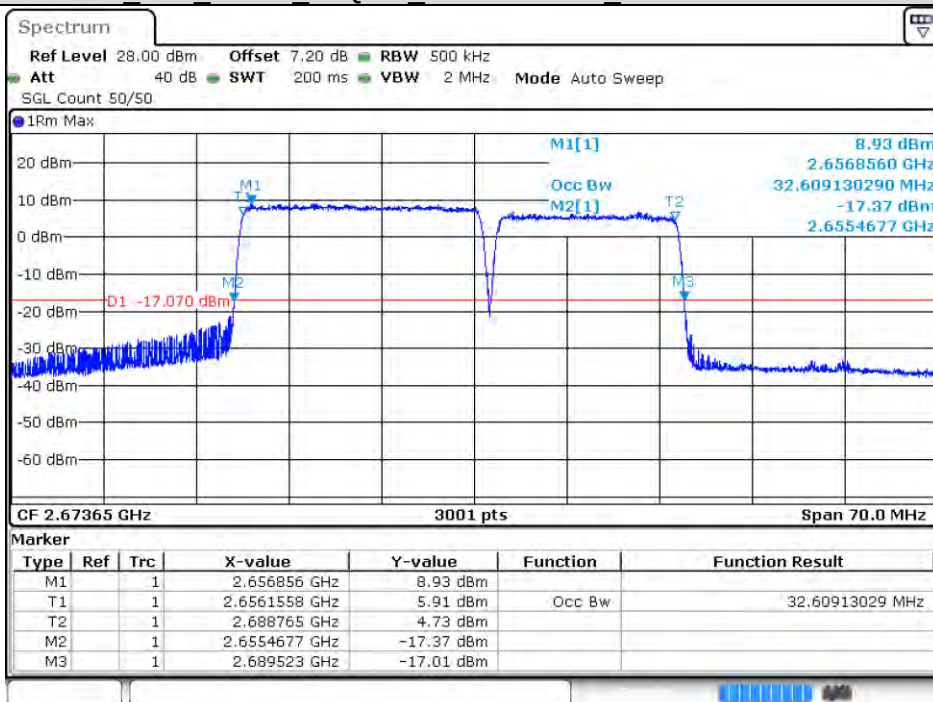


CA 41C 20+15 64QAM 40546+40717 100RB#0+75RB#0



Date: 14.APR.2021 20:59:42

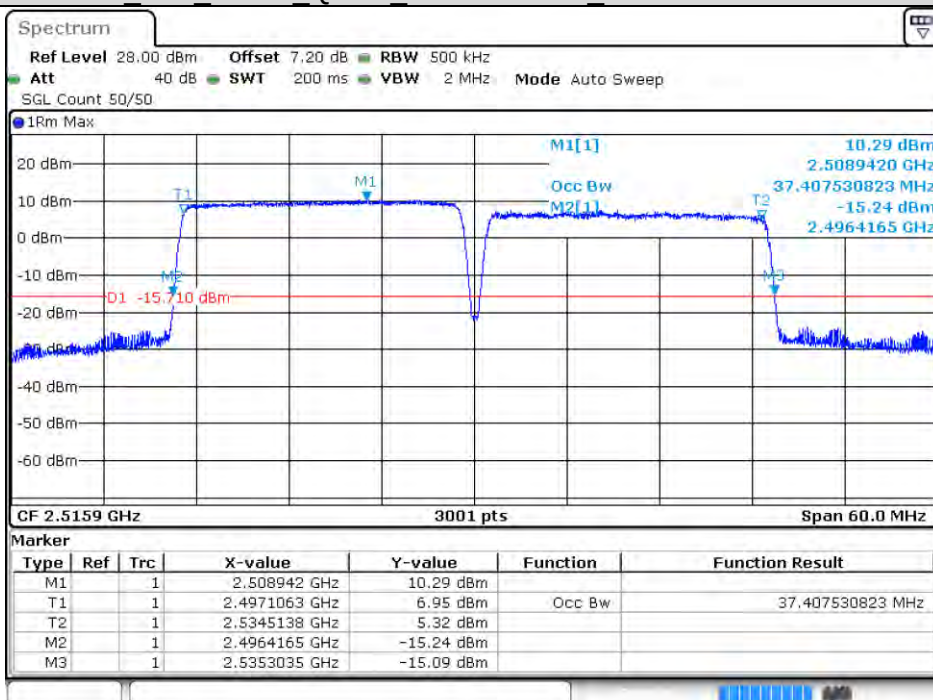
CA 41C 20+15 64QAM 41341+41512 100RB#0+75RB#0



Date: 14.APR.2021 21:00:50

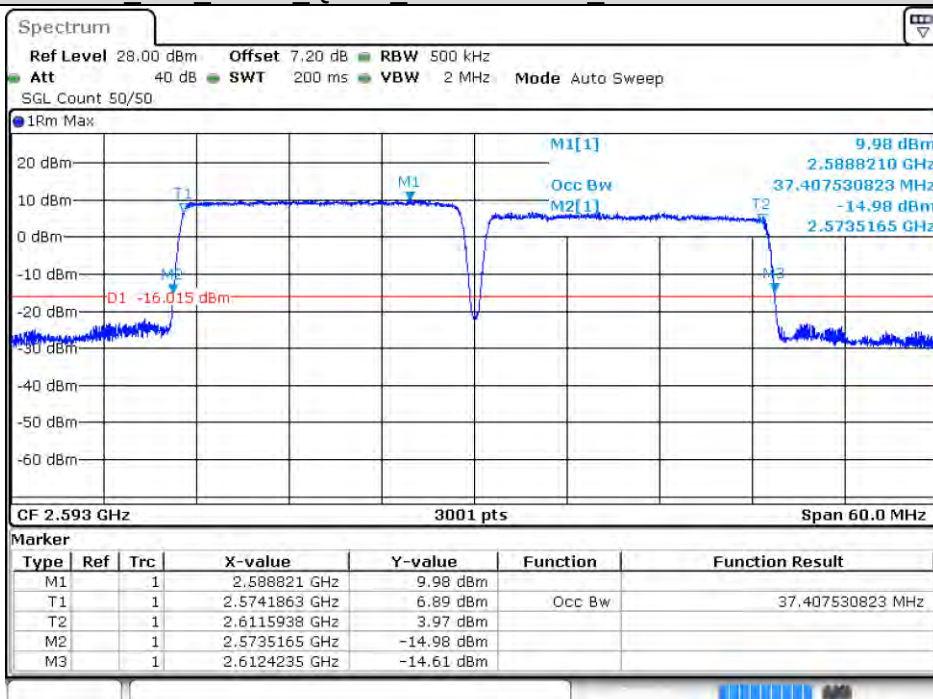


CA 41C 20+20 QPSK 39750+39948 100RB#0+100RB#0



Date: 14.APR.2021 21:01:27

CA 41C 20+20 QPSK 40521+40719 100RB#0+100RB#0



Date: 14.APR.2021 21:02:20



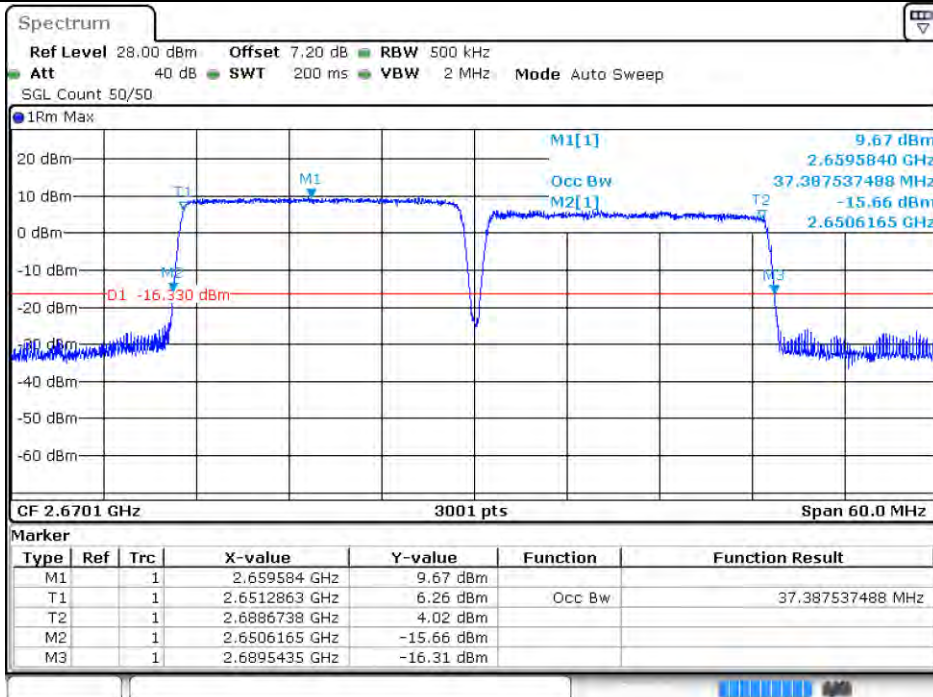
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMA, CNAS, ILAC) Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

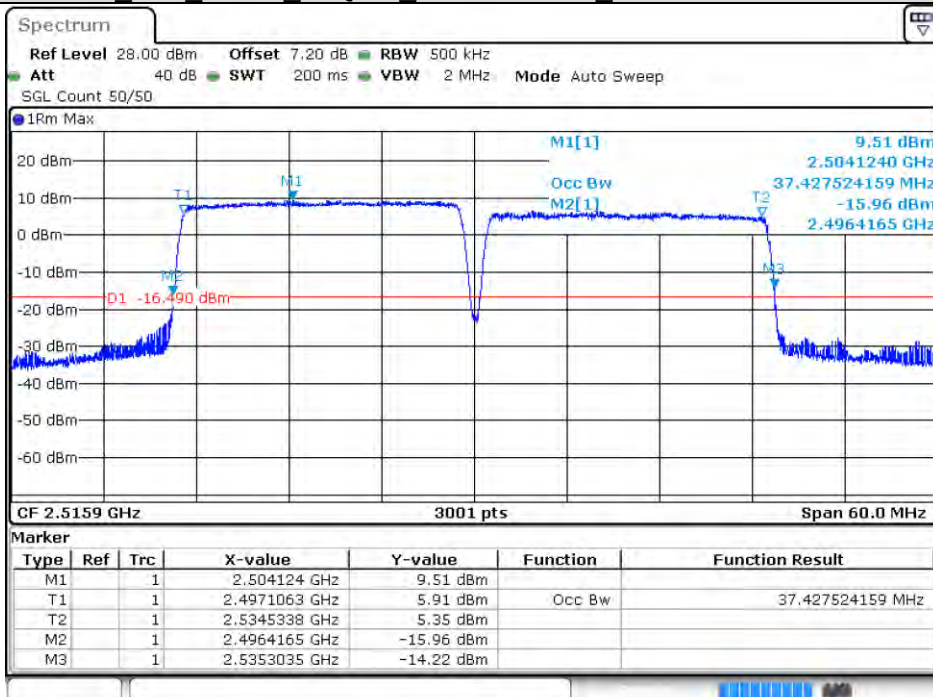
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA 41C 20+20 QPSK 41292+41490 100RB#0+100RB#0



Date: 14.APR.2021 21:03:20

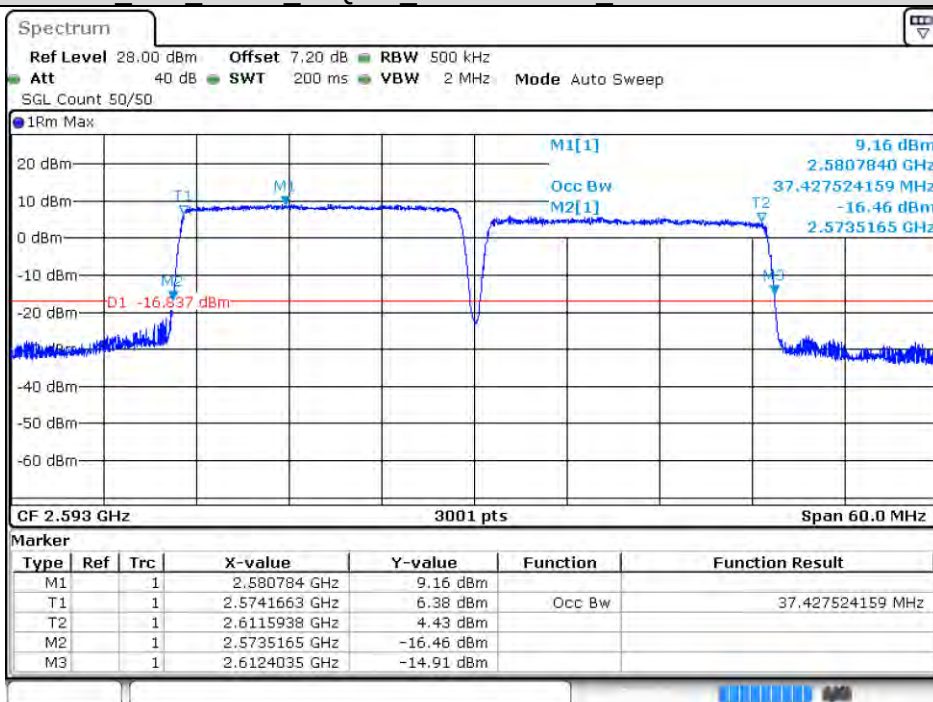
CA 41C 20+20 16QAM 39750+39948 100RB#0+100RB#0



Date: 14.APR.2021 21:01:42

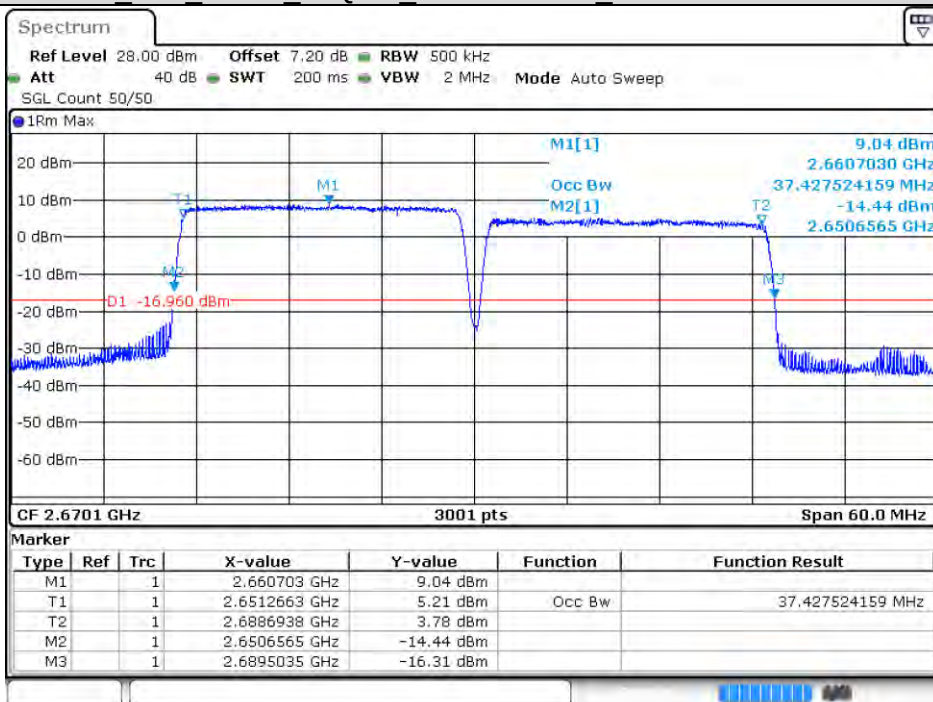


CA 41C 20+20 16QAM 40521+40719 100RB#0+100RB#0



Date: 14.APR.2021 21:02:35

CA 41C 20+20 16QAM 41292+41490 100RB#0+100RB#0



Date: 14.APR.2021 21:03:36

